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NON-PROFIT CORPORATION

VOL. 28 NO. 7 THE ALL-FLORIDA AMATEUR RADIO PUBLICATION November 1984 Price 50 cents

HOW TO SURVIVE IN HAM RADIO WITHOUT LEARNING "JAPANESE"

Today's proliferation of bells and whistles all toll and blow from the shores of Nippon. Some exceptions, such as Drake, TENTEC and a few others are evident but for the most part, Atlas, Hallicrafters (under the guidance of Bill Halligan), Johnson, Globe, etc., are memories reserved for the rocking chair crowd.

Home brewing is now so sophisticated that one needs the eyesight and digital dexterity long ago forsaken by those over 40 and the electronic training, years ago only available at M.I.T.

How then, do we cope with CPU Controlled, PLL Synthesized, MOSFET Stabilized, Communications Systems offered by companies whose names often cannot be pronounced and at prices for which, 20 years ago, a new Cadillac could be had?

The answer is obvious! Some pretraining is required and to that end, this tretise is directed.

Pay attention! Your final transistors are at stake.

When the loan at the bank is finalized and the new rig purchased, make room on the bench and proceed as follows:

First — open the box and remove the instructions. These are usually contained in a manual (printed in Japan) which describes various subjects relating to the successful installation, operation and maintenance of the item. If the problems deciphering some translation and spelling errors are evident, **do not** contact the dealer. He never read the manual, doesn't speak Japanese and probably only has a CB ticket anyway.

Remove the rig from the carton and place carton in a safe place. It will be needed later to return the unit to Nagasaki for repair.

Next, remove rig from plastic wrapping and locate AC power line plug. This is a 2 or 3 conductor black wire with a molded phenolic plug on the end. Somewhere in the room you will find a wall socket usually 2 or more feet away from the end of the AC power cord when fully extended.

Next, purchase an extension cord which will allow you to extend the length of the AC cord and plug into wall socket.

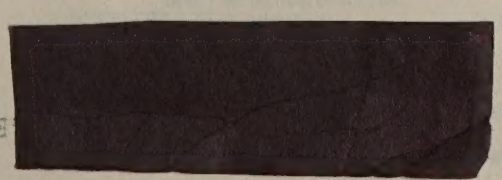
QSY to Back page

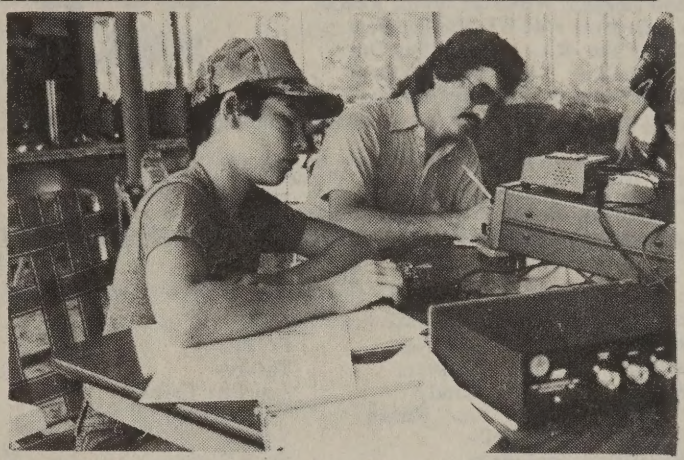
COMING EVENTS

Clearwater ARRL Convention, Nov. 24 & 25
Broward Hamfest, Dec. 1st & 2nd.
Sarasota Hamfest, Jan. 12th & 13th
Miami 25th Hamboree, Feb. 2nd & 3rd
Hernando Coounty Hamfest, Mar. 2nd

Please send in your events early.....Editor.....

SECOND CLASS MAIL





Operating the Novice station during Field day for the Tallahassee Amateur Radio Society were J. D. Tolli, KB4CRJ and Jack Brown N4JPV.' Reports have it, they did a fine job. (Photo by Pat Terrie WA4FAL and Jim Winne, KB4IVH')

HELP WANTED; FILE COMMENTS, SAVE TOWERS.....

Radio amateurs who have experienced zoning and other state or local restrictions on erecting effective amateur antennas: Your help is urgently needed! The ARRL need you to file comments with the FCC that give a factual account of problems you've encountered in obtaining permission from local authorities to erect your amateur antenna.

In mid-July ARRL filed an extensive document with the FCC that requested the Commission to issue a public declaration that state and local authorities may not prevent antenna effectiveness. Such enerous restrictions inhibit the federal objectivies of the FCC's licensing of amateur radio stations; therefore, the Commission should declare that such regulations are preempted. The FCC has since designated the League's request as "PRB-1", and established a "pleading cycle," Comments are now due November 9th and replies to comments are due December 14th.

A notice requesting comments on the League's "Requeset for Issuance on Declaratory Ruling" on antenna zoning appears in the September 14th Federal Register.

It is critically important that as many radio amateurs as possible file comments on PRB-1. ARRL's request was preceded by a nearly idntical request by United Satellite Communications, Inc. (USCI)' USCI has found that its marketing of small, four-foot in diameter television receive only (TVRO) "dish" antennas has been severly restricted by state and local regulations. USCI's request has drawn heavy opposition from organizations that represent local government interests. (e.g., the American Planning Association, the National League of Cities, the City of New York, etc.)

ARRL expects similar opposition to its request, PRB-1. That's why it is so important that individuals and clubs present the FCC with case-histories of problems hams have faced in getting or being denied permission to erect effective amateur antenna systems.

Send a s.a.s.e. with 88 cents postage to ARRL Hq., 225 Main St., Newington, CT 06111 and ask for the PRB-1 material, which will give you our original filing and instructions for filing comments. The procedure for filing comments is simple: send one original & four copies of your comments to: The Secretary, FCC Washington D.C. 20554. The first page of your comments should include the heading," "Comments in Response to PRB-1"' They must be received no later than November 9th. Dont delay, time is most important! (From The ARRL Letter Oct. ll, 1984)

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Andy Clark, W4IYT, Editor/publisher
Betty Clark, W4GGQ, Business Manager.
Anne Clark, Production & Lay-out Mgr.
Bob Denton, WB4FGL, Ploof Reeder
Vance Murr W4FWI, Mailing Dept.
Bud Miller, KA4AIK, Mailing Dept.
Dick Talbot, N4OK, Mailing Dept.
Ed Turnpaugh, K4MAV, Mailing Dept.

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DEADLINE: 8th of month in P.O. Box 501, Miami Springs, FL 33266

SILENT KEYS

We are deeply sorry to report the passing of the following amateurs. May they R. I. P.

W3AQT	Glenn Lichtnfels	Ft. Pierce
W3SIH	Charles B. Myers	Taveres
W8UKT	Paul W. Kindy	Sun City Center
N4GBO	Edith "Boo" Roach	Vero Beach
K4KAO	Bob Kelly	Venice
W4ODC	Jack Ross	Boca Raton
K4RAC	James A. Jackson	Miami
W4LQS	Dean Cole	Palm Bay
W4MDC	Britt Holtzclaw	Orange City
W2DXZ	Morely Englander	Palm Coast
WB4BSH	William Behmer	Cocoa
K4HPC	Gerlad Chassman	Blue Jay
K4KQI	Joe Czyz	Port Charlotte
WB4UKO	Nicholas Peterti	New Port Richey
WB4WRJ	Donald M. Hood	Lehigh Acres
W4AAV	Larry Eisler	Miami
K4PM	Dick Hays	Bradenton

ATTENTION CORAL GABLES AMATEURS

There will be a very important Amateur Radio "Ham Antenna Zoning Hearing" November 19th (Monday) 7:30PM at Coral Gables City Hall. Our records show over 180 amateurs in Coral Gables. It will be to your advantage to attend this important meeting, because it WILL affect your antenna system, be assured of that! ! Editor.

LETTERS

Editor:

I rarely write to any publication, but felt that I should extend my thanks for the prompt publishing of the article regarding the FCC exams by the Central Florida Volunteer Examiners Program Council (CFVEPC), on Oct. 13th, 1984 at PBS Sta. Chan. 24, 11510 East Colonial.

On Saturday, Sept. 29th, AB6I arranged for the council to meet in the beautiful studios of Chan. 24, PBS, WMFE, Orlando.

This briefing was attended by 20 radio amateurs. Some of them were ALA. VE's, some were ARRL VE's, some were certified by both ALA and ARRL. Some were non-certified but were there as support members.

I have been surprised at the participation, cooperation and coordination of the entire Central Fla. radio amateurs.

LAMARS, OARS, EOEN, ARRL, ARES and others were in attendance.

73,
Bob Watson, CVE (CAVEC, Inc.)
Orlando, FL

Dear Editor:

You never know when a ham is listening.

I was in Humana Hospital for the fourth in a series of operations after an accident.

I was wheeled into the bright lights of the operating rooms, there was lots of people covered from head to foot in baggy green coveralls, masks and hats.

I lay there helpless and scared and somehow though drugged and hard to see, I saw a QST sticking out through a slit in one of these nameless faceless senseless figures, so I said "73."

I got a rub on the head and "73 what the call old man."

I felt more relaxed and slipped off into oblivion.

Upon waking in my room to smiles of my lovely wife and daughter the next thing I remember was looking at a Q.S.L. card. (enclosed copy)

I laughed my way all the way out of the hospital.

"Beware," those hams are everywhere.

Bill Mottram, WD4KZQ

(P.S.: The man in "green" was Luis Gonzalez, KE4FG.)

GUEST EDITORIAL
By Frank Britto, N4EDH*
"SELLING DEFECTIVE GEAR"

It has come to my attention, that DEFECTIVE amateur radio gear is being sold at some hamfests in this state by a so-called "ham" in the Orange Park area.

Word is out that this party has taken full advantage of two young novice class operators who, after this ordeal, may very well give up the hobby and sad to say, never get on the air.

The two young boys, feeling very happy with the thought that they too, will soon be on the air and having all the fun as we do, left the hamfest with the plan to set up their stations that night. But their plans soon went up in a cloud of smoke when the power was applied.

The hamfest ran for two days, so the next morning the boys appeared at the table where they trustingly purchased the gear and told their sad story, only to find it fell on deaf ears, and no offer was made to amend this dis-tasteful sale of defective gear, after it was said to be in "PERFECT - MINT - CONDITION."

I know this sounds like a paper back story, but it's true and it's sad that some one just getting in to our wonderful hobby of ham radio have to be taken in by our "own kind." I appeal to all hams who read this to help me spread the word.

What can be done? Let's try this. Radio and SWL clubs are urged to stress the point to all their novice members to please have some one with you when buying used ham gear from any one. By some one else, I mean some one with a general or higher class amateur radio license.

Then we urge radio clubs who have a monthly news letter or paper to print something about this article in it. Then we can all talk about this flagrant act on the air, and help spread the word.

My last plan of attack is to have this article printed in Florida Skip, so that everyone can be warned. This action may be the only instrument we can use for now, in high hopes that it will spare someone, maybe you, a great deal of heartache.

*P.O. Box 355, Edgewater, FL 32032

HAM HINTS — ARNS

You say your 2-meter vertical is not doing a good job of getting you into the repeater? You live on the northwest side of town and just don't quite make it to the guys on the southeast side of town? Here may be a solution to your problem.

Don't mount your vertical at the top of your mast or tower; move the antenna down the mast (or tower) slightly more than the length of the vertical, and 1/4 wavelength from the mast in the direction you want the signal to go.

For example, for a 1/4 wave 2-meter ground plane, you would move it down about 20 inches (not critical), and 19-1/2 inches to the southeast of the mast to improve the signal toward the southeast. Why? The mast or tower acts as a reflector, just like a beam producing a major lobe in the direction of the antenna. The signal will be increased about 30% in the forward direction, and reduced in the direction of the mast by a like amount.

The bigger the mass of the mast or tower, the broader the forward lobe. (THE MIKE & KEY)

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presents

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NOVEMBER 24-25, 1984
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Traffic News

Awards Will Be Given On Both Saturday And Sunday

CONVENTION SOCIALS

*SATURDAY - QCWA Luncheon
*SUNDAY - Ladies' Luncheon and Fashion Show
*Famous SATURDAY Night Luau

Amateur Exams will be administered at the Convention. Please submit the new 610 Form and your check in the amount of $4.00 to: FGCARC, P. O. Box 157, Clearwater, FL. 33517 before October 20, 1984. No forms will be accepted after this date. Make all checks payable to FGCARC.

HOTEL INFORMATION

Rooms are $46.00 per day.
Write or call SHERATON SAND KEY RESORT
1160 Gulf Blvd., Clearwater, FL. 33515 (813) 595-1611
Mention the Convention when making your reservations. Reservations may also be made through FGCARC, P. O. Box 157, Clearwater, FL. 33517. Make this check payable to Sheraton Sand Key.

NAME _____ CALL _____

STREET _____

CITY _____ STATE _____ ZIP _____

_____ Advance Registration Tickets	$ 3.00	TOTAL _____
_____ Saturday Luncheon	$ 8.00	TOTAL _____
_____ Saturday Night Luau	$15.00	TOTAL _____
_____ Sunday Ladies' Luncheon	$ 7.00	TOTAL _____
_____ Swap Tables - Both Days	$12.00	TOTAL _____

REGISTRATION TICKETS REQUIRED FOR ALL ACTIVITIES.

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Registration Tickets will $4.00 at the Convention. Checks payable to: FGCARC, P. O. Box 157, Clearwater, FL. 33515.

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REAL ESTATE AND THE AMATEUR

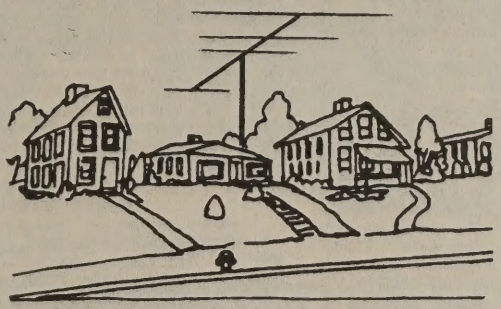
As a Ham and a Real Estate Broker, I have made some observations on some considerations that should be taken into account when purchasing property. We can't all afford that ideal QTH with a 2-acre antenna farm and sitting up on a hill, but there are locations in all price ranges that would make a good Ham QTH.

Elevation above average terrain is an obvious factor, especially for VHF and UHF work. For HF, being somewhat above the immediate surroundings and in the clear, would be the most important thing. Before purchasing, find out if there are any antenna height restrictions imposed by the city, county, or in the case of many new housing developments, in the form of protective covenants. These covenants would be on file at the court house.

Some of the new developments allow no outside antennas—it might be hard to get a TH-6 in the attic. Being near an airport poses some additional restrictions in antenna height—especially in the flight path.

Look for probable generators of interference, such as power lines, commercial properties or a neighbor with an arc-welder, etc. Are the power lines underground? The noise is usually lower in these areas, however, prices may be higher. How close together are the houses—the closer your neighbor is, the greater chance for you to bother each other. Again, price may dictate a compromise in this area.

Generally, a QTH in close proximity to a broadcast station is not



a good idea, especially an AM station. All it might take is one bad connection in the antenna system and you could have Loretta Lynn singing all over the 40 meter band.

Trees may be a help in supporting wire antennas, but too many can make it difficult to get antennas in the clear. Would you want to remove some trees? A wire antenna should never have to cross a power line. Along this same line, if you are going to put up a tower, it should be in such a place that it won't blow down across a power line.

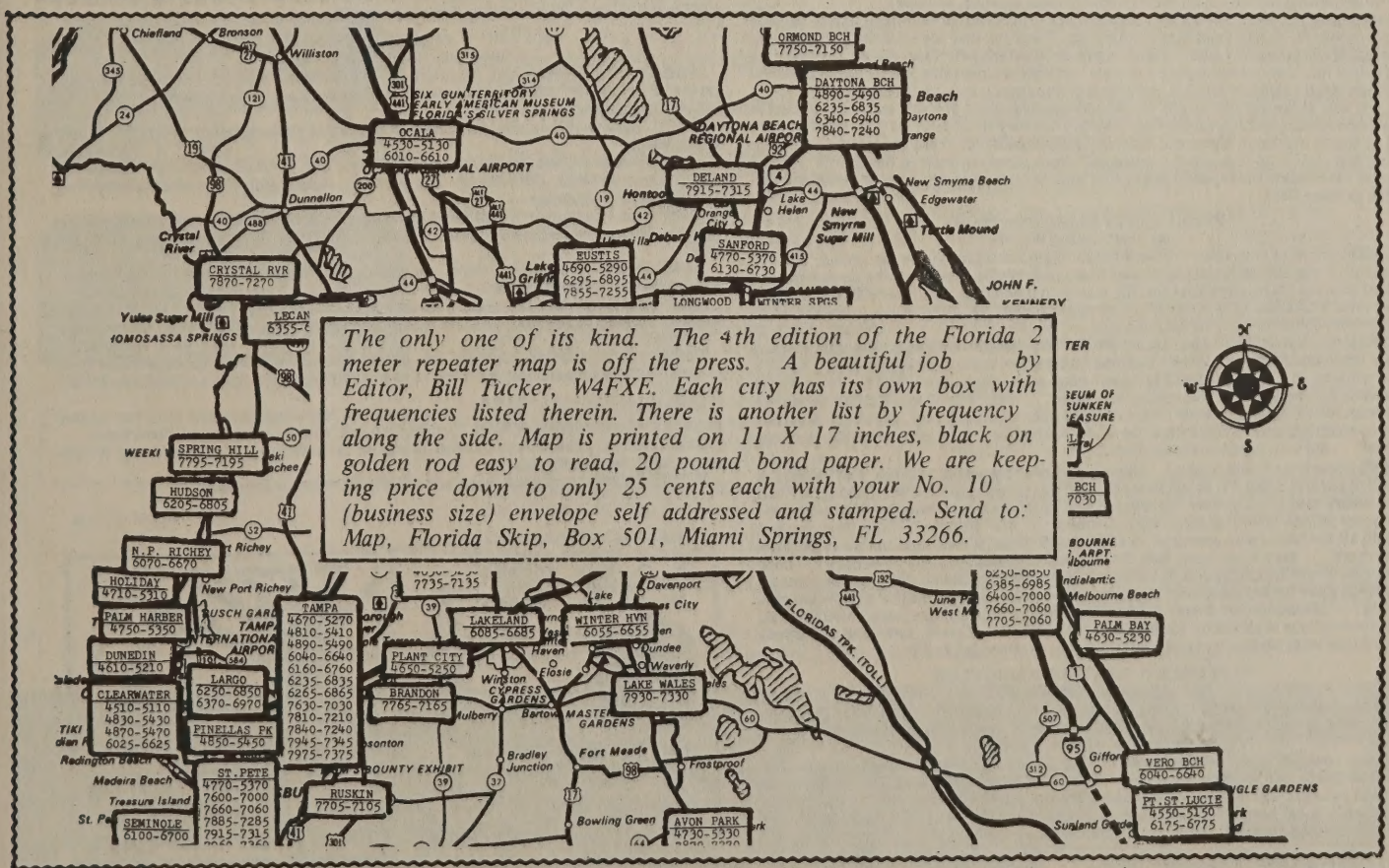
The house should have at least 220 volt 100 amp service. This is code in most areas. If not, you may want to take the cost of installation into consideration.

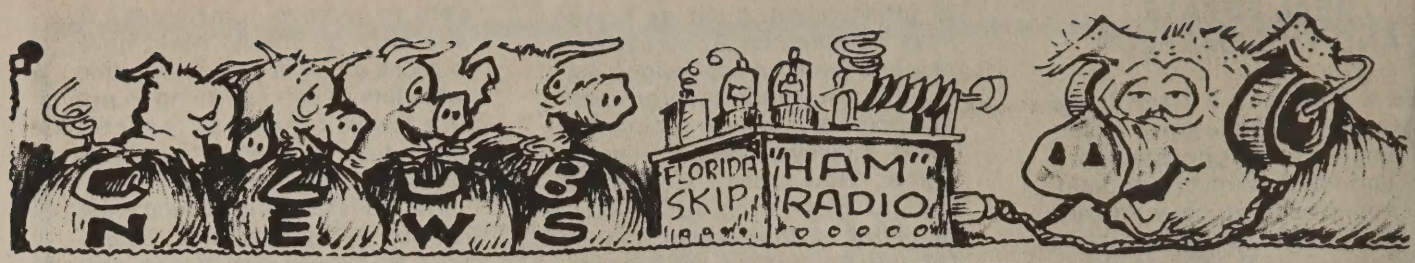
Where are you going to put the shack? Does the XYL (or OM) have other plans for the same room? It might pay to discuss this. If the shack is to be in the basement, is it dry? How will the feedlines be routed outside? Also, how close is the nearest Ham? If he is close and active, you may blow each other off the air, or may have to restrict your operation to separate bands sometimes.

I am sure there are other considerations, and of course, the regular ones you would have in purchasing a house as a non-Ham. If you find a good QTH, your next job is to sell the XYL or OM on the place. Hint: with a super Ham QTH, you will be staying home more.

Ray Dennis, WØDQ
via W6SD Carrier, Calif.

HAM HUM





SOUTH FL FM ASSOC., INC.
By Richard J. Martone, N4ALR

A Tour of the USPS Miami General Mail Facility was taken by members and guests of the SFFMA, at our September meeting location. Envelopes of various sizes were observed speeding their way through the sorting process, toward their final destination. There was much automation, but the human factor was still needed, at various stages, to help things along.

During the meeting, we had nominations for new Club Officers. Thanks go to retiring President, Dave Burger, WB4NDY, who helped guide the club for the past term, and who promises to still be around; but he will be Past-President, with someone else telling the jokes; as he stated at the meeting.

The nominations for the next period are: President - Ron Ploude, KE4QF; Vice President - John Porter, W4KGJ; Treasurer - Bill Bradley, WA4LLJ; Secretary - S.E. Carr, K4TTW, with write-ins permissible on the ballot.

The present Trustees remain, Bruce Lyon, WD4BVO and John Hall, WD4SFG.

Congratulations to Harry Pilafian, W4SQG, and XYL Audrey, on their 35th Wedding Anniversary. They were present at the meetihg. Harry has done much good work for the amateur radio community here, by teaching an amateur radio course for about 11 years, preceded by Adrian Wilcox, W4ELR, who taught Ham radio, for many previous years.

Harry begins at the basics, and then builds his way up through the Novice class of license, and beyond. The courses are set up on a trimester basis. The current one ends December 20. A new course starts January 8, 1985. Class meeting time spans 7 - 10 p.m. The location is Southwest Adult Education Center, located at 8855 S.W. 50 Terr. in Miami; on Tuesday and Thursday. Harry may be reached at telephone number 271-2512 for any additional details.

A SHARC IS BORN
By "El" Stolberg, AK1M

From breakfast comes a new radio club, the friendliest SHARC you will ever find.

One of the fastest growing areas in Hernando County is Spring Hill, a Deltona planned community on U.S. 19 near famed Weeki Wachee Springs.

About 3 years ago, 2 or 3 hams met for breakfast every Wednesday morning in one of the few restaurants availalbe. Every time a new restaurant was built it was tried and simultaneously the group seemed to grow slowly but surely. What a pleasant way to meet and talk "ham language" with each new member that appeared!

Now the group meets at our new McDonalds and there are from 16 to 24 members every Wednesday morning at 9 a.m. and it appears the group will continue indefinitely. But we longed from the beginning for our own radio club so on October 2, 1984 the SHARC became a reality when we met at a local church's activity building to organize the SPRING HILL AMATEUR RADIO CLUB. Regular officers will take office at the January 1985 meeting. Meanwhile a caretaker group of temporary officers and committees involving everyone will be organizing the club in an orderly and efficient manner, we hope!

Enthusiasm abounds! We all want this project to succeed for we would like to become deeply involved in the Voluntary EXamining Program and the recruitment of young people into the amateur ranks; plus many more amateur activities. As one member put it: "I want this to succeed because I'm here 'for the duration', this is it for me until called to the great ham shack in the sky, and I want to do as much as I can to help."

If you live in Spring Hill or any of the surrounding areas you are cordially invited to attend one of our meetings on the first Tuesday of every month at 7:30 p.m. Meetings are held at the St. Andrews Episcopal Church on Deltona Blvd. From the main entrance to Spring Hill on U.S. 19 it is only 2.6 miles to Deltona, then one mile to the church. We will monitor the Brooksville repeater about that time to make sure no one gets lost on the way in. See ya there OM.

POLK COUNTY RADIO AMATEURS
By Jim Gundry, W4JM

KA4IOK trying a new super tri-band beam to get his signal above the crowd. W2HGV going with a regular tri-bander in place of his quad. W4JM finally got the trees trimmed from around his beam. Hope that N4GZX is back in the fold by now. Hear K8DGK on the 75 meter nets. W2AL has up a pretty 20 meter monobander. VE3BIS returns to the fold after a nice summer in Ontario. VE3BFJ likewise.

W4FAH still trying to sell a big linear! K2CXH enjoyed the W9HOH type mobile antenna on his trips this summer. WN4G building gadgets to make operating easier. K4GXY again working in Lakeland. N4FFM hasn't been seen much; are you o.k., Jim? W4QG favored us by coming to a Wednesday luncheon . . . keep it up Tom. W1UDB should be back from New England by now . . . he checked in on 20 all summer. WA4ZVD/WB4ZVD come to meetings and on trips when they can. KA4WMA will be glad when the elections are over . . . did your candidates win, Gert?

NW4R home from Saudi Arabia . . . have you taken to wearing a turbin, Jim? K8RIF is home and back to doing FB bread baking. WB4NSQ practicing his CW . . . since he plans to join others in upgrading when classes are held by the Lakeland Amateur Radio Club We hope many join in. WD4ONK enjoying retirement . . . well deserved, Wally. Now you can come to all the ham radio meetings. W4IMF won't be back from Indiana until the snow comes down . . . keep it up there, Bob. K4AVP will soon call for LARC elections . . . hope we get a lot of worthy candidates. Be sure and nominate your choice when the time comes.

KA4NQK gave the best talk ever on lightning and protection from same at a recent club meeting . . . thanks much, John. WB4RSC is keeping active. Sure wish W4RIH would make some of our Wednesday luncheons at Season's Restaurant, Lakeland. Everyone come and see what makes ham radio hum in this area. Good DX to all.

CLOVERLEAF AMATEUR RADIO CLUB
By Al Lautenslager, KA4WLO

After a slight vacation, the Cloverleaf Amateur Radio Club resumed monthly meetings in Sept. Most of the business discussed had to do with moving the ham shack to a new location.

Two new consoles were constructed and the equipment has been installed in them. The tower and beam and dipoles have been set up at the new location. There should be "business as usual" by the time this article goes into print. All members can be proud of this "shack". It has been the culmination of a lot of effort and hard work by the members of the club. We hope to send pictures as they become available.

CLEARWATER AMATEUR RADIO SOCIETY
By Eli Nannis, K4JMH

The attendance at the September 13th meeting was 34 members and guests. Our vibrant Vice President Bob Shields, N3BI, obtained the ARRL film "The World of Amateur Radio" and it was shown to the membership. The club 2 meter repeater on 37/97 needs to be replaced with more modern equipment. A number of methods were discussed on how to raise the money for the repeater. A number of members have donated money to the repeater fund. The program at our October 11th meeting will be by Ralph Beaver, Chief Engineer at a local radio station. At the November meeting, we will have Ralph Barlow of the Tampa FCC to answer questions on the amateur problems. Fifteen members volunteered to act as disaster victims at the Morton Plant Hospital for a disaster test on September 17th. After they were made up, they sure looked like a sad bunch of hams. We will have a club picnic on Sunday, October 28th at a park in Largo. CARS now runs a net on 37/97 every Wednesday night at 8 p.m. Evervone is invited to join us. A nominating committee has been appointed to select candidate for CARS Officers for 1985. A Christmas party with all 3 local radio clubs participating, CARS, METRO and SPARC. Our chief radio engineer Jani, KO4J who is well known all over Florida is leaving for his homeland some time in October. He sure will be missed in this area.

TAMPA AMATEUR RADIO CLUB, INC., W4DUG
By L.A. "Cy" Connolly, W4DVO

Large number of Club Members, wives and guests, at Dinner Meeting, Elk's Club, Sept. 20th, 1984. Nice business meeting held for benefit of all. "EZ" Randall, NJ4O, son of former Tampan, Jim Apsey, W8JA, ex-WA4YOQ, now teaching college in Toledo, Ohio.

Bob May, N4DQN, at Saturday informal meeting, and greeting old friends. He is active on 2 meters mostly at present. John, W3SAI, is well, after recent operation. Ron, KQ4K, gave members another Tampa Bay excursion aboard his house boat. Frank, K4EUK, repaired club Drake rig, which is now as good as new. Bob, WY4Y, now active on 75 meter phone, on Bull Shifters Net, Sunday mornings.

Club meetings now First and Third Monday, as heretofore. Time 7:30 p.m. Clubhouse, Davis Islands, Tampa. Y'all come! Several recent inquiries regarding new Novice Class. Plans now in the offing, for start after first of the year. Ed, WB4FBQ, at recent Sat. mtg. clubhouse. Arlie, W8OCZ, back in Tampa again. Another truckload of old radio gear to Boys' Ranch. Gordon, WB4RHY, handling the details as usual.

Met Jim, KE4VI, Tampa at Sat. Meeting Sept. 29th. He is active on HF bands and 2 Mtrs. Also there, Gale, WP2AAK, a Charming YL, formerly of KV4land, St. Croix, now resident at Tampa. Come often, Gale, we need the feminine touch! Maurice, WD4REX, gave club members new baseball type caps, compliments of Eagle Rare. Also, recent visitor, Pat, KF4EF of USN, now TDY. Macdill AFB, Tampa.

FLASH. Christmas Dinner Party scheduled for December 13th at Elks Club. That is a Thursday folks. Also director's mtg. Oct. 1st, inducted 2 new members. Names and calls next month. Happy Thanksgiving. Take care and 73.

FLORIDORA YLS
By Cathy Soehl, W4BAV/ARNS

WA4PUO-"Petey" Hubbard, Floridora No. 384, welcome aboard. You "saved the day" on the "Floridora 40" Net when members could not copy each other you assumed N.C. and relayed everything.

K4RHL-Ellie is still on the emergency and hurricane watch in her new QTH, in West Palm Beach.

WA4IWM-Lou advises, since they moved, do not have a tower up and are limited to a coaxial type antenna (20-meters). She and OM, K4WR-Dale are working with their Commodore 64 Computer.

W4PFJ-Adis contacted KA4MEW-Winona on SOCARS Net, from her Daughter's in Monroe, Mich.; will be back in Ocala by October 15th. Good, Adis, we miss you; hope all is well.

KB4ELQ-Alma Fontaine, Venice, congratulations on passing your Novice license; looking forward your joining us.

WB4NYN-Mickey had her picture at the rig, with article, in "Beach Bulletin Neighborhood" telling of her activities, on radio and "Morty" her electronic scrabble board. Congrats!

N4FOG-Phyllis and OM, W4OOH-Dick, proud of Sons: No. 1 Son - Bill upgrded to Tech. with call WD4JKL, in Ga. and No. 2 Son - Craig is WB7VTM, living in La. Good way to keep in touch!

W8TAY-Anita Bien, ex: W4JCR, joined the Silent Keys Aug. 25th. She installed the first Floridora Officers in 1957, at Rock Springs, Orlando, where we organized. Condolence.

W4GXZ-Blanche's last note advised it was 48° at 1:00 p.m., with a cold raw drizzle. Better hurry back to Florida.

W4QBY-Dorothea enjoyed a week-end at EPCOT, with her daughter.

QSY P. 10

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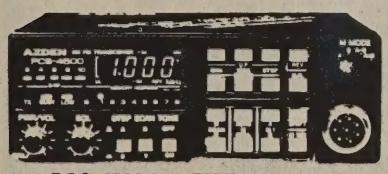

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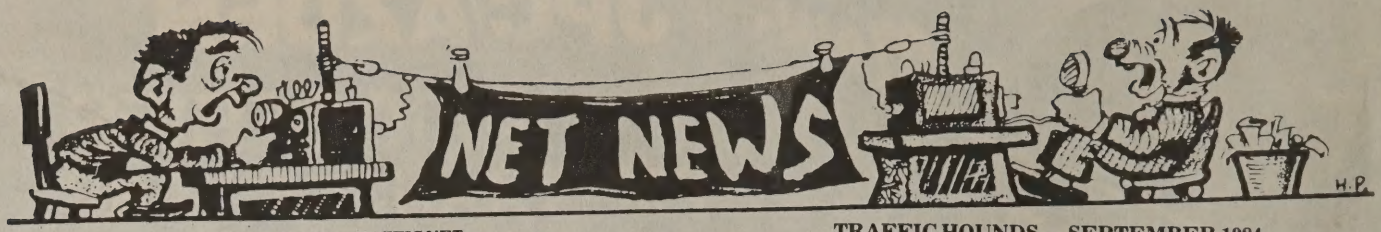


FLORIDA PHONE TRAFFIC NET
By Bill, WB4WYG

Just for the fun of it I thought I would look over the records for the past year. Wow! — Check-ins for the past 12 months have never dropped below 1,100 with the exception of July '84 and then the net had 1,076. Sure speaks well for a net meeting at 7 a.m. every day of the year. Congratulations to the entire gang for making this record possible. Again this month the weird C.W. has been with us, but like good traffic handlers we have worked around, thru and in between that signal. Wish his C.W. made some sort of sense, so we could figure where it is coming from.

That fun award the "Golden Cookie" for the 1,000 station to check in on the regular roster went to Herman, WB4FJY for the month of Sept. Congratulations Herman. Hal, W4BKC is still haunted with a troublesome intermittent distortion, but was there every day, as he has found how to work around it. Mort, WX4H a recent member of the net gives the net coverage in the Pensacola area and has been doing a beautiful job of acting as liaison with QFN bringing in traffic to clean up in the morning.

Net Statistics: A whopping 56.8% of roster checked in 80% or better. This is how it breaks down:

100% — WB4ADL, W4BCZ, W4BKC, K4BLM, KI4CQ, N4EDH, WA4EYU, WD4FNX, W4FOE, WA4JDH, KD4KK, K4SJA, WB4TZR, WB4WYG, WB4ZVD.
95% — WA4EIC, WN4IIV, K4KIC, WA4QXT, KA4NXF.
90% — WD4DAH, KA4EJW, N4EOW, WX4H.
85% — WD4AWN, W4IAD, KF4RL, WB4SOU.
80% — W2BKI.

29 Stations — Congrats and Well Done.

Come on in and start your Ham Radio Day the FPTN way on 3940 at 7 a.m.

KNIGHTS OF THE KILOCYCLE
"World's Oldest Continuous Phone Net"
By Paul McMasters, W4BCZ/AFA2XR

The September ending meeting found that this writer on his job of sending out the "GET WELL Cards" had to send one to our chaplain W4DVR Mac Brittan in Orlando and also N4XV in the Florida Hospital South same city, Mac is having blood problems (clotting and loss, which requires transfusions). Jim had to have a kidney removed.

W4SVB had a limb on top of his garage roof courtesy of "Izzy". He doesn't climb so good any more so a neighbor helped cut it from the trunk. The rest of the knights did not report any damages. Now that W4NG our Master Oscillator has the answer to roll call as just the call sign the average thirty member net operates much faster, only a few old timers with more wind than information exceed the two minutes maximum time first go round, but the "Nice Guy" lets them know the rule (I have been told too "Little Bo" had a stroke while on her trip to New England and was in the Framingham, Mass. Hospital as I write this column. We need more Ladies to call in W4WPD has been missed as has W4KOH.

You are welcome on 3910 KILOCYCLE at 7:30 A.M. Local time every Sunday. Our Chaplain W4DVR has invocations that are worth getting out of bed to hear, listen and see if I am correct.

FLORIDA MEDIUM SPEED NET
By AA4BN

3651/7061 **5:30 p.m. Daily**

On September 1, 1984, FMSN changed managers. Would like to thank the members of FMSN for electing me manager for the year 1984-85. Fred, AA4FG the out-going manager sure leaves some BIG shoes to fill.

It was decided at the Melbourne Hamfest to move FMSN out of the novice band. The net attracted very few novices/tech operators, and none stayed around very long. Also QFNS does an excellent job in this respect. On October 1 FMSN moved to 3651/7061 Khz so as to utilize the same frequencies as QFN.

We hope to appeal to and attract more phone traffic handlers that would like to broaden their traffic handling ability and sharpen their CW skills. The net control stations are instructed to maintain a net speed around 13/15 wpm.

We have fairly good statewide coverage, and several excellent QFN reps to handle your out-of-state traffic. So with the peak traffic season coming up, give us a try. Forty different stations checked in during the month of September. Would like to welcome some of the new calls heard on net. N4EDH Frank, WD4RIQ Giff, K1BUM Win, WX4H Mort, and any others I may have missed.

Net Control Stations:

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
WB4YQP	W4ESH	KB9LT	AA4FG	WB4WYG	N4IYU	WA4QXT

Asst. Mgr.: Fred, AA4FG.

THE GATOR NET
By Walt Grove, KF4U

3651 and 7068 Khz **0830 EST 0730 CST**

The calling frequency for Gator Net has been changed from 7068 to 3651 Khz. We had been having a great deal of trouble from long skip on 7068 Khz at 0830 DST. Since changing the calling frequency to 3651 Khz it has been a real pleasure for the net control stations to do their thing on the lower frequency. We have not been bothered by QRM from Cuban phones or any other source and signals have held up well. We will have to recheck conditions after the time change at the end of October to determine if we want to return to 7068 Khz. A QNC will advise of any changes. In the meantime, W3CUL and some of the more distant stations are clearing their traffic on 7068 Khz and this activity is reported to the NCS by W3CUL.

We missed George K4JI while he was visiting up North and we are glad to have him back. Cy W4DVO did double duty as NCS Saturday and Sunday, Sept. 8 and 9 while many of us were at the Melbourne Hamfest. It was a real pleasure to meet and visit with so many QFN and Gator Net members at Melbourne.

Cottom KB9LT will take over as Manager of Gator Net on November 1. I am confident the net will be in very good hands and I am sure Cotton will enjoy working with the Gators as much as I have during the past four years.

There are several openings for additional assigned liaison stations to QFN. The QFN Manager K4IA would like daily coverage from Gator Net.

W3CUL and W4DVO qualified for the 100% club in September. Other high check-ins were WA4JDH and KB9LT with 29, WA4EYU, K4TH and KY4U with 28, N4ET and KF4U 27, W4KLY 26 and WX4H 25. 73 and CU on GN.

TRAFFIC HOUNDS — SEPTEMBER 1984
By K4ZK

NET	QNI	AVG.	QTC	AVG.	SESSIONS	MANAGER
QFN	1126	18.8	612	10.2	60	K4IA
FMTN	967	35.2	575	19.2	30	WB4AID
GN	431	14.4	344	11.5	30	KF4U
FPTN	1183	39.4	273	9.1	30	WB4WYG
GCVTN	665	22.2	252	8.4	30	K4VND
TPTN	589	19.6	250	8.3	30	WA4QXT
SEFTN	727	24.2	198	6.6	30	KF4RL
NFPN	1346	44.9	157	5.2	30	KC4FL
FAST	553	9.2	142	2.4	60	WD4HHH
SVTN	504	16.8	140	4.7	30	KB4LB
SWFTN	1048	41.1	119	4.7	25	K9ALX
FPON	565	18.8	78	2.6	30	WB4GCK
FMSN	395	13.1	70	2.3	30	AA4BN
LSTTN	837	27.9	66	2.2	30	NQ4P
CFRN	79	2.6	61	2.0	30	WB4GHU
QFNS	259	8.6	59	2.0	30	WB4YQP
PEN	186	9.3	40	2.0	20	W4GPL
VEN	273	9.1	40	1.3	30	W4LDY
SPARC	448	14.9	38	1.2	30	K4IHH
PBTN	160	.	6	.	?	K4FHW
ENMC	46	11.5	0	0.0	4	K4ZK
DEN	193	48.3	4	1.0	5	KB4CVN

TOP TWENTY TRAFFICERS
By WA4PFK & WF4X

1.	W3CUL	3640	11.	N4EDH	252
2.	W3VR	842	12.	WA4EIC	225
3.	WF4X	488	13.	WB4ADL	222
4.	K4ZK	352	14.	W4NFK	211
5.	N4PL	342	15.	K4SCL	202
6.	WX4H	317	16.	N4HMD	189
7.	WF4Y	317	17.	KC4VK	165
8.	WA4QXT	285	18.	KB9LT	161
9.	WA4PFK	277	19.	K4EUK	161
10.	KJ3T	253	20.	KA4GUS	156

GULF COAST VHE TRAFFIC NET
By Dick Smith, K4VND, Manager

Our goal for September was to be the top VHF traffic handling net in the state of Florida. Statistics show that we handled 252 pieces of traffic in September. So unless one of the other VHF nets came up with a lot of extra traffic, we should be in first place for 2 months in a row. Net news sections of Florida Skip shows we were also in first place for August but not by as much margin as we should have for September.

Our contest for September is over and it was a success. Congratulations to Jack, K4LYY, who is the winner of the contest and is the recipient of a one year subscription to Florida Skip.

With the momentum we now have going, and cool weather approaching, let us all pull together and make big things happen for the GCVTN.

Top 10 check-in positions for September follow.

1. 30 ck. ins — N4HMD.
2. 29 ck. ins — K4LPT.
3. 28 ck. ins — WD4JDU.
4. 26 ck. ins — W4WNY.
5. 25 ck. ins — WX4H.
6. 24 ck. ins — KA4WWC.
7. 23 ck. ins — N4HRI, WL6JIF, W3SO, W4TOH, WB4TVY, W4ZGS.
8. 21 ck. ins — WG4D, N4DAS, WB5LPG.
9. 20 ck. ins — K4VND.
10. 19 ck. ins — WB9RKJ, WF4Y.

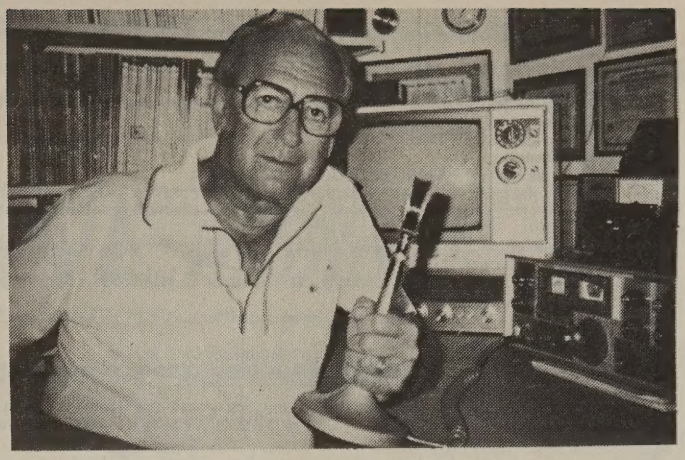
Our objective for October is to maintain the position we have attained in August and September. Remember, October is Fair Month. Be on the alert for a chance to pick up Fair traffic in your location.

Thank you all for making GCVTN a good traffic net!

FLORIDA MIDDAY TRAFFIC NET
By Al Suhr, WB4AID

HURRAY!!! HURRAY!!! The Forty Meter Band has finally improved and FMTN is once more experiencing favorable band conditions! For the past several months there has been a continual need for relays and FMTN NCS's have worked that out. We use mostly three relaying stations who pass the work along to each other and then report to NCS when he hears only one relay station. This saves time and helps move traffic in a more orderly manner. WF4X, Phil in Ft. Walton Beach is the one responsible for its implementation and the NCS's kept it going.

Mr. Bill Tucker, W2FXE, July 1934 in New York. Bill worked only CW then and mostly W2s' as the QSL cards show.The rig was build into 4 wood prune boxes, using 210 Molly plate driven by a 46 buffer-doubler and a 59 tri-tet crystal oscillator. He also used a 50 Heising type modulator driven by a 27 speech amplifier and a carbon telephone mike. The rcvr was a 57 detector & a 47 audio. Antenna a Marconi long wire working against ground.



Mr. Bill Tucker, W4FXE, October 15, 1984 in Hallandale, FL. Editor of the famous FLORIDA SKIP 2 meter map. Bill has written countless radio articles for most all radio publications. This 50-year-later-station is quite different from his first station. Bill works mostly sked on 20 SSB and his old friends on 2 meters. Congratulations Bill. Hope you can make another 50 years! !

The relaying stations are to be congratulated for the fine job each has performed.

At the Melbourne Hamfest, K4TH, suggested that we consider changing the procedure of calling for returning stations. After much discussion we decided to call for stations by call letters as originally suggested. This is now in use on FMTN and works well. Returning stations now wait until their call is spoken by NCS. Should a station miss his contact, that station is asked to return to net and state his call followed by the words "No contact," at which time immediate attention will be given him. Every Hamfest meeting of FMTN is a workshop and always yields a new procedure or two.

The warm-up session of FMTN is intended to allow any and all stations the fraternal time for becoming acquainted and for trying to arrange phone-patches or phone-calls or other individual QSO's. We even have a station or two call us from out-of-state and, throughout the long-skip summer we have been able to assist them. I wonder how the shorter band will affect this service — we hope not too much.

FMTN will have a work-shop meeting at the Clearwater Hamfest on Saturday, November 24th in the Sheraton Sand Key Resort Hotel. The time will be found in the Hamfest program when you get there.

We want to thank everyone for their patronage on FMTN and we hope our service to you is good and full-filling. See you all on FMTN daily on 7247/7247.5 kHz at 12 noon Eastern Time. The warm-up begins around 11:15 a.m. Eastern Time.

Nets QSY P. 13.

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Club fm P. 6

ST. PETERSBURG AMATEUR RADIO CLUB
By Cathy Soehl, W4BAV/ARNS

WB3DCN-Dave enjoyed 2 weeks in Yankeeland, visiting family and "gorging" those Chesapeake Bay steamed crabs.

KA4CRS-Betty stopped smoking but, at times, needs a little encouragement so she will not weaken. Good luck, Betty, congrats!

WD4COL-John and N4APZ-Debbie now live in Safety Harbor. John is now Assistant Principal at the school.

N4KHZ-John has a new Ten Tec Hand Held; doing a great job.

W1ION-Frank and Irene had problem hanging 7-1/2' x 12' mural on living room wall; said it was "cock-eyed", so he was offered the suggestion to jack up corner of living room to straighten it. Hi!

WB4FVN-Nellie left on 2:30 a.m. bus for the Cape; thrilled to see Shuttle launch; back home about 2 p.m., "pooped" but happy.

WA4HKP-Linda is now KI4RV. Attended a Class Reunion in Wisconsin; enjoyed the fabulous food on all flights. Congrats!

KA4HXL-Bill took "semi-retirement" and was presented with a 1-1/2" TV set, but lost it when KA3VXG-Sylvia appropriated it.

WA4DNU-Rex home and doing O.K. after being hospitalized for few days.

W4CZS-Guy did some house cleaning, so has box full of various tubes and offering gratis to any one wanting them.

W4VIP-Frank and YF, KA4TGZ-Marge left Oct. 2nd for a 6-week trip. Good luck, Folks.

DON'T FORGET THE CLEARWATER CONVENTION NOVEMBER 24-25TH. See you there at the Sheraton Sand Key Hotel.

HERNANDO COUNTY AMATEUR RADIO ASSN.
By Al Lautenslager, KA4WLO

The Sept. meeting of the Hernando County Amateur Association was held in the Teen Hall in Brooksville on the thirteenth of the month. An interesting presentation on lightning was given by a representative from Withlacoochee Power Co. This was followed by a question and answer session, after which the regular business meeting was held.

The March 2, 1985 Hamfest, sponsored by the club, was discussed in detail. Authorization was given to have tickets printed and to purchase door prizes. All indications at the present time show that this year's event should surpass that of last year. All hams that attend should be glad that they attended. More information will be published as it becomes available for release.

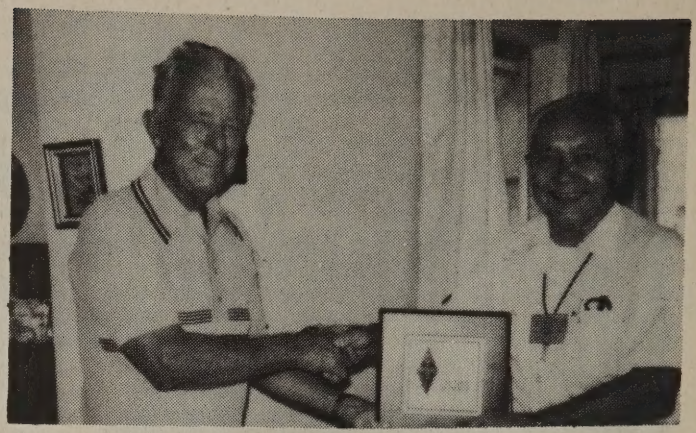
A purchase order was sent to a west coast electronics firm for an 850 repeater controller for the 146.115/715 machine. This addition should make the already popular repeater even more well known throughout the state.

Bev and John Darbyson (WB4MOX and WB4MOY) have offered to host a ppicnic on their farm in Nobleton Sunday, Sept. 23rd. Looks like a good crowd will be in attendance.

Now that the Labor Day weekend has passed and a new Miss America has been crowned, we can look forward to the return of the "snowbirds." A few of those migrating "hams" have already returned to the fold. WELCOME!

ARES — HERNANDO COUNTY
By Al Lautenslager, KA4WLO

The Hernando County ARES will participate in a SET Oct. 21, 22. The emergency coordinator, Dave Edgerton, WB4TPG, also announced that he would like volunteers to participate in a Boy Scout affair Oct. 5, 6, 7. Some of the two meter antennas have not yet been put up in strategic locations, but we hope approval is given soon. So far, Florida has been spared the problems that are presented when hurricanes hit the area. Let's hope we are spared till we are prepared!



Esmond K. Volz, W4WTW (L) receiving congts & ARRL 50-year plaque from Woody Huddleston, K4SCL, Asst. Dir. ARRL SE Div. "ES" is also a collector of antique radio equipment. Here you see a transmitter used in the 1925 irca, at a shore station on the Mississippi River waterway, where Es pioneered development of radio use in steamboats, government dredges and at shore stations.

MANATEE AMATEUR RADIO CLUB
By Bob Clayton, KI4MM

Members and guests were treated to an excellent program at the October meeting. Major Michael Bogdue (U.S. Army Ret.), former Commander of Crissey Army Airfield, San Francisco, CA, reminisced about his military radio communications experiences, prompting questions and other interesting responses.

Our nominating committee is busily preparing their recommendations for next year's officer and board positions. Committee members are O.P. Tucker, K4OOD, Virgil Yarbrough, K4IEK, and Norm Rosedale, WB4HZE.

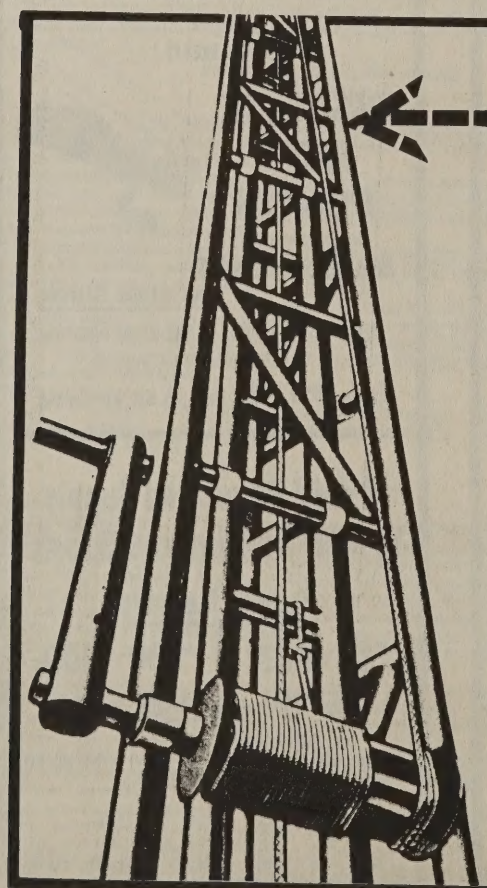
Ed Ropke, WT4B, Manatee County ARES EC, reports that 10 members participated in an amateur radio exhibit at De Soto Square Mall in cooperation with the local Red Cross Chapter. The event was highly successful with free radiograms being offered.

Six members of the ARES/RACES group were on alert for six hours because of the threat of tropical storm Isadore.

New members are needed for the ARES/RACES organization. Please call Ed Ropke, WT4B, at 744-9235 during the day.

Our first volunteer exam was given October 11 at the West Bradenton Baptist Church under the guidance of Joe Bische, WB4I.

club qsy p. 13.



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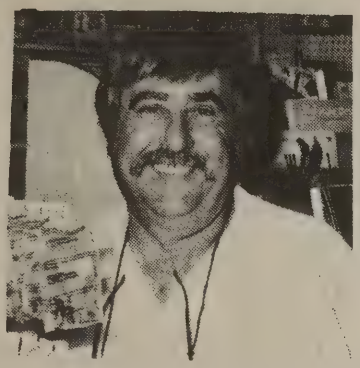

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Club fm p. 10

FELLOWSHIP RADIO CLUB
By Mickey Segall, W4AYJ

At our regular monthly meeting of October 25th at Ingals Park in Hallandale, the Fellowship Club will have its Annual Auction. Bring your surplus gear for trade, sale or donation. It is a fun night for all. Our second repeater is now in operation on 147.375/147.795. Use it for rag chewing or whatever.

Be aware that the repeater access codes have been changed. If you are not up to date on the codes, call any Officer on the land line.

The great "Duke" KI4GH is coming along fine with his new leg. See you soon at the meetings Dukus. Remember that the November meeting will be our new election and nomination of officers. Be there!

Thursday the 4th of this month, members of the Club put on a show (if you want to call it that) for the Broward Masonic Lodge No. 300 in Hollywood. Two Meter and Low Band operation was demonstrated along with typical Ham activities. Several months ago, we had a similar activity for the Southwest Broward Rotary Club at Kielb's Restaurant in Hollywood. See you at the next issue.

BROWARD AMATEUR RADIO CLUB
By Betts Barry, WA4MJI

Isidor missed our door! How nice — but let's not get overconfident. We were also saved from David (yuk!) but maybe next time we won't be so lucky.

Club members responded to the call for operators for the Junior Chamber of Commerce Raft Race on Sept. 30th. We attended a big bash at their clubroom, and it was gratifying to be appreciated for our efforts. We thank them for their hospitality.

The September meeting featured an excellent presentation on packet radio by Tom Kneisel, K4GFG and Jim Skoog, WD0EEL. Interest was high and questions were numerous. No wonder — it is a new concept with great potential.

Next meeting will be held Friday, Oct. 12th at the Red Cross. Please don't forget some canned goods for the Basket of Hope, and to purchase your tickets for the Christmas Banquet. Most of all, grab that sign-up sheet for work at the Hamfest and volunteer. You'll have a great time and feel a new club spirit as we all work together to help the club present the best one ever!

S.E.V. ARC
By Frank, N4EDH

At our last meeting, we were to elect new club officers, however, it appears that most of our membership is still enjoying their summer vacation.

Ed, KB4HPR presented Charlie, KC4VK with the A.R.R.L. "ELMER" award, for all the good WORK GETTING Ed on the air as a novice, good luck! Then Ed took off to Ohio for his vacation and ran into a poison ivy bush while putting up his dipole — need I say more? Hi.

We have been asked to give adult supervision during the yearly Halloween party given by the city of Edgewater to all the children. Sorry to report that while tropical storm Isadore was in the area, it took not only the tower, but the beam also gave way under the strong winds noticed at the QTH of our club chairman Marv, WA9ZBG, maybe you should get a tilt-over!!

On Oct. 9th, KC4VK and N4EDH gave a demonstration and talk on Amateur Radio, covering traffic as well as the meany awards that are available. This club activity was held for the men's club of New Smyrna Beach. We are also working on "Holiday Traffic" from the local hospital. The gears are already put into motion. This will be a first in this area. Our next club meeting will be held at the shuffleboard clubhouse, at 8 p.m. on Oct. 17th. All are welcomed to visit.

THE FORT MYERS AMATEUR RADIO CLUB NEWS
By Earl Spencer, K4FQU*

First off I must admit that I have been somewhat remiss writing this column. I guess those doldrums got to me also. I will try, however, to be a bit more regular from now on. Well, summer is about over so we can forget the doldrums or whatever they are. Thoughts now must turn to the events that come with fall and winter. My thoughts have turned to hamfests, ours in particular, which is now starting to take shape by now if anyone in the club has not been contacted about working on the hamfest and you are feeling slighted, please call me at the number below and I'll be glad to erase that feeling for you.

In keeping with feeling normal again, Louis, WD9AEP, our wandering president is finally home to roost, so maybe things will start to take shape again. He made quite a summer of it and I understand he is quite proficient now . . . in painting houses that is. . .

We will have a lot of things to fill our spare time with shortly, now that the season is about on us again. With the hurricane season almost over. . .I hope we lucked out again this year . . . keep your fingers crossed. . .

I just came back from the Melbourne Hamfest and they did a nice job of it again this year. Guess that's the reason why I have got our hamfest off and running now. Good inspiration. Well the weeks ahead will be filled with hamfests and weekend jaunts. Don't forget to reserve a weekend jaunt for this direction . . . I'll tell you when next month. . .

So school buses hold up traffic again and the callsigns that we haven't heard for three months seem to be creeping back into the repeaters and W3IJR is back so I guess we can call summer quits. . .

*1735 Hanson St., Ft. Myers, FL. 33902, Phone 332-1503.

DUNEDIN ARA
By Richard, KB4BOS

Marion W4AFC reports the Novice class has several prospective hams coming along nicely. Paul KI4FI has a group working on their cw. for General and Extra. We had a good turnout for our September meeting. I have a correction, our next meeting is TUESDAY, OCT. 23, not the 22. Sorry about that!

The D.A.R.A. extends its deepest sympathy to Tim NY4I, and his family on the loss of his father on Oct. 1.

We are planning a swap net on Wednesday nights in place of the regular net. The regular net will still be held on Monday and Friday nights at 9:00 as usual. Sam N4HPN is now into Slow Scan and loving it! Howard KA4VEX now attending school in Ala. Neil N4KQZ doesn't subscribe to SKIP yet, and for four days no one on 5,210 would tell him what was written about him in the last issue. Better sign up soon Neil!

That's all for now, please contact me if you have any items for this column, either on 5.210, P.O. Box 613, Dunedin, or 736-2877 eves.

ROTOR REPAIRS

We have been informed by Wally, KC4GJ, of Miami that Texex Communications, INc. of 8601 N.W. Highway 6, Lincoln, Nebr. 680505, phone 402-467-5321 is now in business to repair Ham M and other amateur radio beam rotors. We suggest you call first, ask for their service department, explain your problem and get a "price quote" before you ship your unit. Wally said, they give excellent turn-around service.

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Net fm p 9.

QFN
By Ed, K4IA

The most notable change in QFN for September is 1% more traffic in 9% less time. Our net control stations are working with better propagation now, however they strive to keep the sessions as short as possible. If you are short of time, say "short" when QNI and depending on the traffic if may not take long for your QNX.

Rapidly rising to the top 10% in net activity is Joe, N4KFU of Sarasota. He has been assigned to 4RN on Sunday and Tuesday. Joe is an ex Navy radioman.

Doc, WA4HOH was NCS 15 times this month as he has been covering for N4EC. Thanks Doc and a speedy recovery Ed. Most active overall for September is Jim, WF4Y; 57 QNI, 24 4RN and 10 RN5. Followed by WA4PFK, K4ZK and W4DL. Dan did it with near perfect attendance.

Jan, WD4AWN is back and has been to 4RN frequently. Other highly active stations are KB9LT, KJ3T, WX4H, N4KFU, WA4EIC, KA4AMC and W4KIX. This order of activity is measured by totalling the net activity: 91 points in the case of WF4Y above.

There have been some interesting comments received by mail and on the net. Continue to maintain the good working spirit and advise if you have some suggestions. QFN does the job. 73.

QFNS REPORT
8 P.M. DAILY 2.715 MHZ
By George Mann, WB4YQP

September was a month of improved participation and renewed activity for QFNS. The Net statistics were up over the past few months. Total checkins were 259 with 59 messages handled. There were 44 different stations checking into QFNS this month. Over 60% of the stations checking in the net were in the net on more than one night — this is quite an achievement for a slow speed traffic net!

QFNS can move your traffic because it has liaison with many higher level nets. Traffic destined for most major Florida cities can be moved through QFNS. The 8 P.M. net time is a convenient time to pass your traffic — better propagation and household activities are usually out of the way.

High checkins for September were: Jim, KA4AMC - 30; Alma, KA4ELQ - 24; Dick, WA4PFK - 21; Rip, N4IYU - 21; Elmer, KA4NXF - 20; Jim, WB4MLQ - 19; Cotton, KB9LT - 15; George, WB4YQP - 14; Miss Phil, KA4FZI - 11 and Walt, WA4QXT - 10.

JOIN US ON QFNS!

NEW FLORIDA TRAFFIC ROUTING GUIDE

Ron Mettler WB4GHU, 1618 Oak Ave., Deland, FL 32724 will be the editor of the Sixth Edition of the FLORIDA TRAFFIC HANDLERS ROUTING GUIDE. Direct any info or changes in your area to Ron before December first, 1984.

Many new towns have sprung up and ZIP numbers changed recently. Pl ease send info to Ron via mail. When all corrections are in, FLORIDA SKIP will again publish the booklet. Due to printing and postage increases the charge for the guide will be about $3.50 post paid.

BACK TO BASICS
de Ron, WB4GHU

In this column, I will attempt, over the next few issues, to offer some tips and suggestsion that will accomplish two things: enable the beginning traffic handler to feel confident on a traffic net, and assist the veteran in polishing up some areas which may be vague or forgotten. I would appreciate comments and suggestions, in order that this column might best serve the needs of our traffic nets and operators.

Perhaps one of the most basic rules of traffic nets is the LISTEN FIRST. If the net control station is asking for specific stations to check in, and you are not one of those stations, then WAIT. Some common examples of specific calls are: stations with announcements or bulletins (QNC on CW), stations who are reps to or from other nets, stations who have traffic (some nets ask for traffic by category, too — be careful!), stations in a specific city or area, stations who can relay or deliver certain traffic, and stations requesting "informal" traffic (words with a certain station or phone patch, for example).

Still other nets employ a "roll call" when taking checkins. If your station is not on a callsign roll-call, wait. If your city isn't on the geographic type of roll call, wait.

Some nets use an alphabetical system to take checkins; for example: "stations with or without traffic A thru G." This means the Net Control Station (NCS) is listening for stations to check in, either with or without traffic, with the SUFFIX of their callsigns beginning with any letter A thru G. The entire alphabet will be covered in groups like this, so don't get nervous if your call is KB4ZZZ — you will get a turn!

The important thing to remember is to listen for the NCS to ask for stations which fit the category that applies to your situation. If he is listening for stations WITH TRAFFIC, and you have NO TRAFFIC, then WAIT. It is sometimes confusing enough when all stations follow instructions on a net; stations calling in out of order can be very unnerving and disruptive. A net will always run smoother and faster if everyone LISTENS FIRST.

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HURRICANE DIANA AND PACKET RADIO

By Joel Kandel, KI4T

As the amateur radio operators of Dade County ARPSC operated the amateur station they set up at the National Hurricane Center, it became very evident that there was room for Packet Radio in the hurricane communications.

The NOAA weather bulletins are sent out via phone line, ASCII coded, to subscribers all over the country. Most of these subscribers are radio and television stations, who use the information to keep their listeners informed of the weather developments. At the same time these bulletins are retransmitted by voice over amateur radio into the effected areas so that the local hams can warn the populace of impending weather. Many times phone lines go out, and all that is left of communications in these areas are amateur radio stations.

It would be a relatively simple technical matter to connect a TNC into the ASCII weather network, so that at the same time the phone line bulletins were being sent out, the very same weather message was being sent out over Packet to surrounding areas. At present, distance transmissions of Packet information are limited, but it would prove an excellent tool for local saturation of weather information in the South Florida area.

Preliminary tests have already transmitted weather info from the Hurricane Center as far north as Melbourne. The Miami Packet Group will be busy at work in the very near future interfacing NHC with Packet.

LIST OF KNOWN LOCAL PACKET STATIONS
BY CITY 08/21/84

KE4PM-1	AVON PARK	DIGIPEATER
K4NTA-1	STUART	DIGIPEATER
W2WX-7	MELBOURNE	DIGIPEATER
WA4ARE-1	WPB	DIGIPEATER WPB
WD4BMN	LARRY	ALTAMONTE SPGS
WD4FAB	DICK	ALTAMONTE SPGS
KE4PM	LARRY	AVON PARK
WD0EEL	JIM	BOCA RATON
KF4EF	PAT	BRANDON
KF4LG	BILL	BRANDON
W1BEL	GWYN	BRANDON
WB8ZPE	BRAD	BRANDON
K4GFG	TOM	DAVIE
K4CAG	CARLOS	HOMESTEAD
KF4I	LARRY	HUTCHINSON ISLAND
WB4FSG	ALTON	JACKSONVILLE
K3AAX	DAVE	MELBOURNE
KC4DE	LEO	MIAMI
KI4T	JOEL	MIAMI
NJ4S	FRANK	MIAMI
NK4K	BILL	MIAMI
NX4L	STEVE	MIAMI
WD4JKM	BILL	MIAMI
WD4MBL	RENE	MIAMI
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WA4IYY	CHARLIE	OKEECHOBEE
K4AHO	JIM	ORLANDO
KF4WM	JACK	ORLANDO
W0RAO	ED	ORLANDO
WA4GIF	BUTCH	ORLANDO
N2WX	HOWIE	PALM BAY
KE4VR	BOB	PALM BEACH GARDENS
WA4NWO	JOE	POMPANO BEACH
KA4LIF	THOM	PT. ST. LUCIE
W2KGV	LADD	PT. ST. LUCIE
KK4S	RAY	SARASOTA
N4APC	BOB	SEBRING
WD4III	BILL	ST. PETERSBURG
KA4VWW	GUY	STUART
WD4BRF	GEORGE	STUART
K4NTA	TED	STUART (BBS)
K4RHD	BILL	TAMPA
W4ORA	JIM	TAMPA
KA4UTK	GEOFF	WPB
WA4HZX	HENRY	WPB
WB4KGY	DOUG	WPB
WD4LHF	JAMES	WPB (BBS)
W4PHL		WPB (CIVIL DEFENSE)
WD4RXI		?

* FLORIDA DIGITAL COMMUNICATIONS ASSOCIATION is an organization of Amateur Radio operators with an interest in promoting Packet Radio and other forms of Digital Communications.

Anyone interested in joining and receiving our monthly bulletin the FADCA> Beacon should contact:

Gwyn Reedy, W1BEL
812 Childers Loop
Brandon, FL 33511

TRAINING DRILL

By Walt Johnson, W4TKE

A planned Training Drill was held at Sunland of Gainesville.

Started at 10 a.m. and was over at 1:45 p.m., for the hams, on June 21, 1984.

Evacuated 8 Sunland houses and transported to the Alachua County Fair Grounds.

There they were fed and medicated between 12 and 1. Then transported back to their houses.

The hams provided communications for each bus and Sunland Control Center. We also had WA4UFO at the EOC (Court House). Thanks go to those who helped: KA4YEF, KB4HJL, N4CUF, W4KFA, WA4PWF, KF4TT, WA4UFO and W4TKE.

Credit also goes to the ones listening and ready to help but were not needed at this time: KA4WNU, W4DFU, WA1THV, KB3NS, WD4JCM, N4FRW and KW4F.

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Battery Back-up Memory: Data in the battery back-up memory, covering 72 characters x 7 channels and 24 characters x 8 channels, is retained even when the external power source is removed. Messages can be recalled from a keyboard instruction and some particular channels can be read out continuously. You can write messages into any channel while receiving.
Large Capacity Display Memory: Covers up to 1,280 characters. Screen Format contains 40 characters x 16 lines x 2 pages.
Screen Display Type-Ahead Buffer Memory: A 160-character buffer memory is displayed on the lower part of the screen. The characters move to the left erasing one by one as soon as they are transmitted. Messages can be written during the receiving state for transmission with battery back-up memory or SEND function.
Function Display System: Each function (mode, channel number, speed, etc.) is displayed on the screen.
Printer Interface: Centronics Para Compatible interface enables easy connection of a low-cost dot printer for hard copy.
Wide Range of Transmitting and Receiving: Morse Code transmitting speed can be set from the keyboard at any rate between 5-100 WPM (every word per minute). AUTOTRACK on receive. For communication in Baudot and ASCII Codes, rate is variable by a keyboard instruction between 12-300 Baud when using RTTY Modem and between 12-600 Baud when using TTL level. The variable speed feature makes the unit ideal for amateur, business and commercial use.
Pre-load Function: The buffer memory can store the messages written from the keyboard instead of sending them immediately. The stored messages can be sent with a keyboard command.
"RUB-OUT" Function: You can correct mistakes while writing messages in the buffer memory. Misspellings can also be erased while the information is still in the buffer memory.
Automatic CR/LF: While transmitting. CR/LF automatically sent every 64, 72 or 80 characters.
WORD MODE operation: Characters can be transmitted by word groupings, not every character, from the buffer memory with keyboard instruction.
LINE MODE operation: Characters can be transmitted by line groupings from the buffer memory.
WORD-WRAP-AROUND operation: In receive mode, WORD-WRAP-AROUND prevents the last word of the line from splitting in two and makes the screen easily read.
"ECHO" Function: With a keyboard instruction, received data can be read and sent out at the same time. This function enables a cassette tape recorder to be used as a back-up memory, and a system can be created just like telex which uses paper tape.
Cursor Control Function: Full cursor control (up/down, left/right) is available from the keyboard. Test Message Function: "RY" and "QBF" test messages can be repeated with this function.
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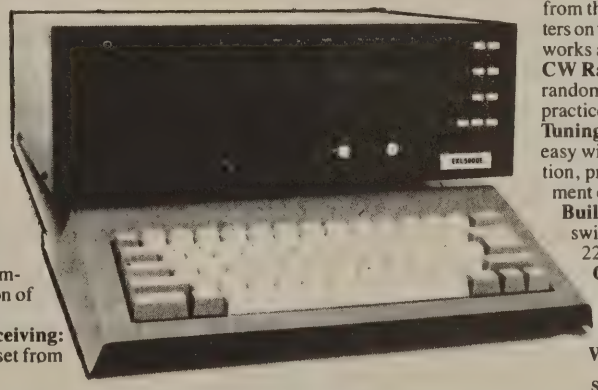
Variable CW weights: For CW transmission, weights (ratio of dot to dash) can be changed within the limits of 1:3-1:7.
Audio Monitor Circuit: A built-in audio monitor circuit with an automatic transmit/receive switch enables checking of the transmitting and receiving state. In receive mode, it is possible to check the output of the mark filter, the space filter and AGC amplifier prior to the filters.



CW Practice Function: The unit reads data from the hand key and displays the characters on the screen. CW keying output circuit works according to the key operation.
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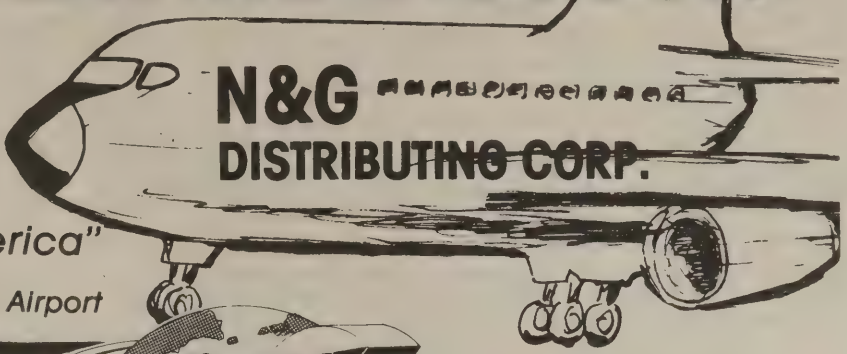

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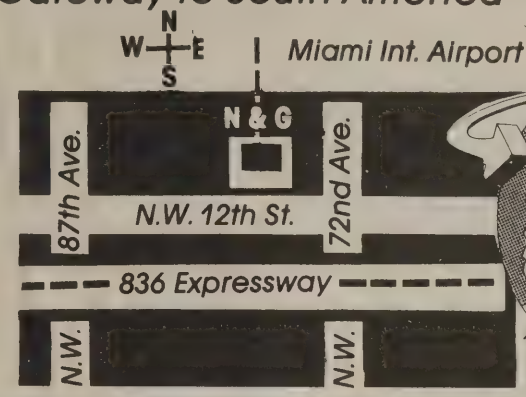

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ARMY MARS
THOSE SWITCHING POWER SUPPLIES
By Dick, AAR4PP

A couple of Ham manufacturers are offering you the option of "switching" power supplies for transceivers instead of the conventional type you studied about for your General license. Which way should you go?

Those switchers are appealing, all right: smaller and a lot lighter. And it's bound to impress people during QSO's when you announce, "I'm running a Vitaflex 1000 into a Stratosphere I-beam with inverted radials, three reflectors, four directors and five producers, and — oh yes — I'm using a switching power supply." Kinda puts you one-up on the guy with the Collins, the huge Alpha, the Pierre Cardin shirt and the Gucci shoes, right?

Well, that depends. For one thing, it depends on whether you ever have a problem with the switcher. Almost anybody can repair a conventional supply, and parts are simple to obtain. Switchers are another story. If you take one well-advertised switcher back to the candy store where you bought it, they'll send it back to the importer's main depot in California; your friendly local repairman won't touch it themselves, no matter how well trained and equipped they may be.

You don't mind wait waiting a few weeks? That's nice. How about a few months? Because the importer won't fix your switcher, either. He'll send it on to Japan, where the manufacturer will do the surgery (really!). Of course, you'll still be able to tell people about your fancy modern rig — if you use frequencies of about 300 to 2500 Hertz and have your QSO's by telephone.

Larry Wikler, AAV4ZJ, is Army MARS guru on our Technical Net (Saturdays, 7:00 PM, 4.025 MHZ). He offers these words of wisdom: Switching power supplies are fine where size and weight are critical or where there is a need for extremely close electrical tolerances under constant load. Where the load varies greated — like on SSB — they may be less desirable than conventional power supplies, since the demand from the load can go up just when the charge on the switcher's capacitor is on the downward part of its cycle. In general, switchers are considered to be unreliable for instantaneous, high-current demand.

Want more useful technical facts from Larry? Tune into our net. You don't need to be a MARS member to listen and learn!

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73 & DX

AMATEUR TO ASSIST FCC F. O. B.

The FCC Field Operations Bureau (FOB) and the Communications Department, American Radio Relay League, Inc., have agreed to develop and implement an amateur auxiliary to the FOB.

The FOB, in cooperation with ARRL, is preparing to organize a cadre of volunteers trained to independently handle many of the Amateur Radio-related requests for assistance received by the field facilities. Among other things, the volunteers will devise and implement means to foster wider knowledge of the rules, conduct maintenance monitoring of amateur frequencies, and undertake other specific projects identified as the need arises.

We expect this new program to begin in September 1984. Individuals interested in volunteering their time may contact: John Lindholm, W1XX, at ARRL Hq. Organizations which qualify for the program may contact: W. Elliott Ours, FCC Field Operations Bureau, 1919 M Street, N.W., Room 744, Washington, DC 20554. Telephone: (202) 632-7090.

(From The ARRL NEWSLETTER.)

ATTENTION SNOWBIRDS!!
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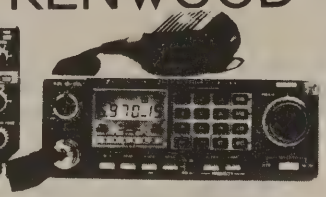

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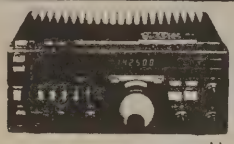

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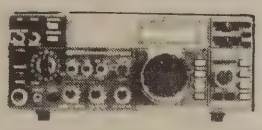

IC-745 HF Base

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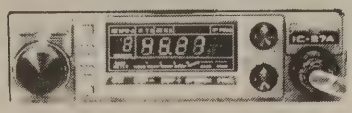

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The IC-02AT 2-meter LCD readout handheld features 10 memories, 32 PL tones, scanning, keyboard frequency entry, dial lock, 3W std., 5W opt. DTMF.

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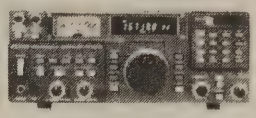

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FLORIDA REPEATER COUNCIL, INC.

The next Florida Repeater Council meeting will be held at the Clearwater Hamfest, November 27, 1984, at 1:30 p.m.

We were somewhat disappointed by the slow response to our request in last month's column for the reconfirmation of frequencies issued after March 1983. The fact is that the Council does not yet have an accurate data base for assignments covering March 1983 to mid-1984. We therefore appeal again to all those to whom repeater pairs and link frequencies were issued since March 1983, to reconfirm their assignments. In this way, these assignments can be properly recorded in the data base and will be protected. PLEASE help us protect YOUR interests (and your investment).

The Florida Repeater Council is proposing to co-ordinate co-channel systems at 75 miles separation, and adjacent-channel at 25 miles. This applies to all bands, for average sites. Unusually high sites will receive special evaluation.

The Council is also proposing to allow six months from the date of issue of a pair for a system to be put into service on that pair. Should a system not be operational on the pair within six months, the pair will be subject to reassignment. In view of the ever-increasing pressure on spectrum, this interval is felt to be reasonable.

Why HIGH-IN/LOW-OUT on 450? There are two main reasons. Firstly, Georgia, Alabama and Mississippi are all high-in/low-out. In order to avoid lockups and interference, Florida should conform to its neighboring states. Secondly, a dual-offset standard is extremely wasteful of pairs; if a low-in/high-out pair is in use in one area, that pair is for all practical purposes unusable anywhere else in the state, as it cannot be coordinated high-in/low-out anywhere within several hundred miles of the low-in/high-out. Under certain propagation conditions, a lockup is inevitable. We have already encountered several cases of this type of interference.

The Florida Repeater Council is endeavoring to clear up problems which have arisen in past years, in order to preserve the integrity and viability of our repeater operations in the years ahead. We invite your comments on our proposals.

The Florida Repeater Council's address is: P.O. Box 4155, West Palm Beach, FL 33402-4155. The frequency coordinators are:
Tom King, WB4ILH, Tel. 305-848-8842 evenings. 70cm, 2m, 6m, 10m.
Adam Wantuck, WA4QQR, Tel. 305-752-7781 evenings. 1-1/4m, 23cm.

Adam, WA4QQR, wishes to thank Tom Canard, WY4A, specially for his valuable assistance in many frequency research projects.

Adam M. Farson, VE3DGY
President, Florida Repeater Council

WA4SIR TO FLY SPACE SHUTTLE IN 1986.

Dr. Ronald A. Parise, WA4SIR, has been selected by NASA to fly in a Space Shuttle mission scheduled for launch in 1986 to observe Haley's Comet from space.

Dr. Parise is a scientist for the Computer Science Corporation in Silver Spring, Maryland. He has research interests in the properties of binary star systems, and will observe the Comet using specially designed ultraviolet telescopes aboard Spacelab, the orbiting laboratory.

Dr. Parise is an astronomer with a PhD from the University of Florida. He has been a licensed ham since he was eleven, and has held the calls WN8JBR and WA8MHD. Ron lives near Silver Spring with his wife Cecelia and young son. They are expecting another child soon.

(From the ARRL NEWSLETTER.)

Some of the Florida VHF/UHF DX'ers at the Melbourne Hamfest: Top row L to R: WB2RJL, NI4Z, WD8QXR, N4KHV, WA4LYS, W5HUZ. Bottom L to R: W4MYF, KB4CVN (VHF Roost Editor) WA4WKO, K4QXX and WB2QLP. (Photo by KB4CVN.)

THE VHF'ers ROOST

By Mark A. Cobbeldick, KB4CVN
P.O. Box 43-1982, S. Miami, FL 33143

Propagation reports this month have been few and far between. Two very good Tropo openings did occur on 2 meters. On the morning of 09-23 a Tropo Duct along the East Coast provided most South Florida stations with Georgia and North Carolina, with Don N4KHV of Orlando working as far north as New England. Between 10-01 and 10-04 a extremely large high pressure system over the gulf coast states created cross-gulf Tropo, with the LA to FL path quite strong. A number of 5/9 qso's resulted. Unfortunately conditions deteriorated about 0000utc on 10-05.

The remainder of this month's article is concerned with Legal High Power on 70cM from Florida. According to Part 97.61 (7):

> In the following areas, the Peak Envelope Power output of a transmitter used in the Amateur Radio Service shall not exceed 50 watts, except when authorized by the appropriate Commission Engineer-in-Charge and the appropriate Military Area Frequency Coordiantor.
>
> 97.61(7)(ii): The State of Florida, including the Key West Area, and the areas enclosed within circles of 200 mile radius centered at 28°21'N, 80°43'W and 30°30' N, 86°30'W.

NOTE: 28°21'N, 80°43'W is Patrick AFB, FL area; 30°30'N, 86°30'W is Mobile, AL area.

After reading this, most amateurs might think high power (1kW+) operating in Florida is illegal. WRONG. Obtaining a waiver for operating much easier than you might think. I received mine in thirty days with only one written request!

When requesting this authorization, the FCC will need the following information: owner/licensee, callsign, location, frequency range (to be operated), type of emissions, maximum power output (in rms watts), hours of operation, and station telephone number. It is also wise to include a statement that you "agree to cease high power operation, upon receiving order from the FCC office." Simple, huh. If you need any more information, please write me. Also, for 20 cents (copying charge) and a SASE, I can send you photocopies of my request letter and the FCC's response.

The Melbourne Hamfest (Sept. 8-9) had a very good turnout of VHFUHF DX'ers. Among those attending were: KB4CVN, N4MZ, WD4FAB, N4KLT, N4KHV, W5HUQ/4, N4EJW, K4PBP, K4QXX, WB2RJL/4, WD8QXR/4, NI4Z, WA4WKO, WB2QLP/4, WA4LYS, W4MYF and N4JLR. Great turnout!

NETS: Gulf Coast 2M SSB Net - Thurs. 2100 edt 144.160 usb, NCS: W3ZR/4 in Cape Coral. S.W.O.T. Net Sun. 2000 edt 144.250 usb, NCS: WD4FAB in Maitland.

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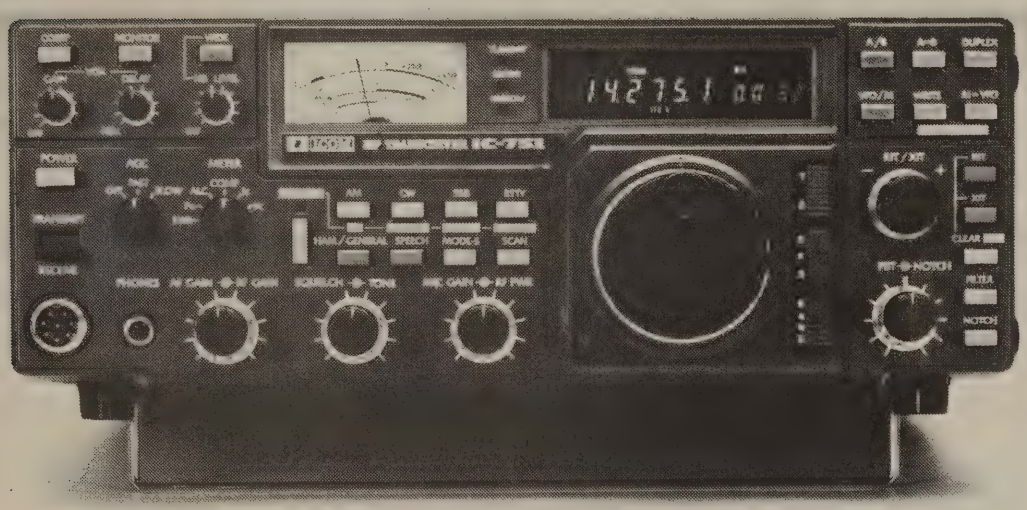

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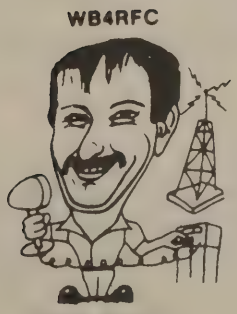

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FIELD DAY FOLDEROL

By Chris Megargee, KA4DCD

'Twas a cold dark night, that late June day;
What sense that makes, I dare not say.
'Twas then that I spotted 'A4US;
What he was doing was anyone's guess.
Then up from the ground I quickly sprang,
For behind me a wire made a brassy twang.
Quickly I turned to see what was there;
Then I saw it aloft, way up in the air.
It appeared as a cobweb of wire to me;
Where its coax led, I just couldn't see.
Then out toward the field, I'm willing to swear,
I saw a small shack, looking old and bare.
A few feet away I spotted a tent
and a small generator, all battered and bent.
The sound of a distant "dit" and "dah"
I heard at a speed that froze me with awe.
The puzzlement now I could wipe from my face,
For the answer was clear from the looks of the place.
It wasn't a cobweb, I could certainly say;
'Twas a homebrew antenna, made just for Field Day.

DEATH AND TAXES

Unidentified Contributor

Tax his cow, Tax his goat, Tax his pants, Tax his coat,
Tax his crops, Tax his work, Tax his tie, Tax his shirt.
Tax his chew, Tax his smoke, Teach his taxes, Are no joke.
Tax his tractor, Tax his mule, Teach him Taxes, Are a rule
Tax his oil, Tax his gas, Tax his notes, Tax his cash;
Tax him good, And let him know — After taxes, He has no dough.
If he hollers, Tax him more, Tax him 'til, He's good and sore.
Tax his coffin, Tax his grave, Tax the sod, In which he lays.
Put these words, Upon his tomb, "Taxes drove me, To my doom."
After he's gone, He can relax, They'll still be after, Inheritance Tax.

A.R.N.S. BULLETIN

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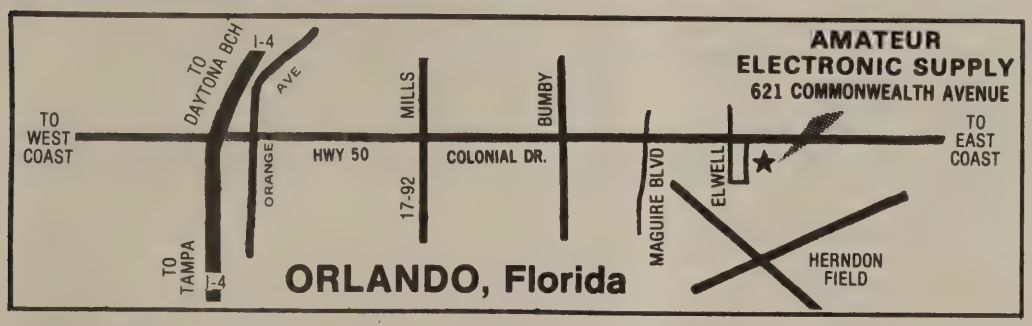

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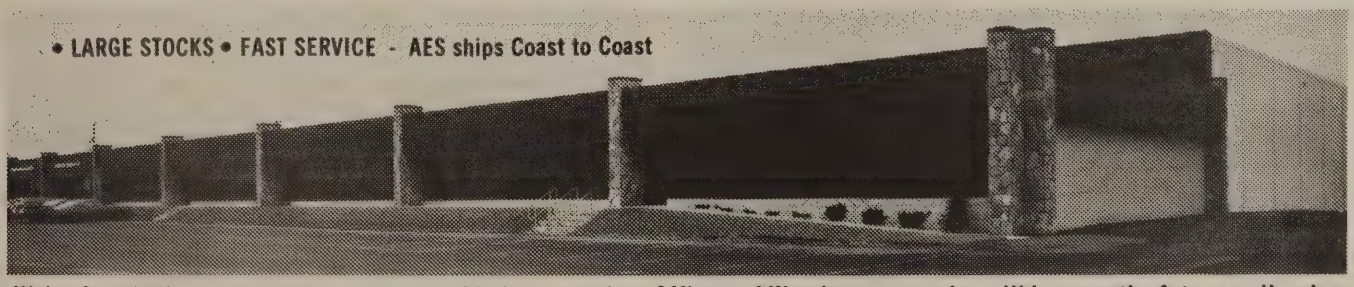

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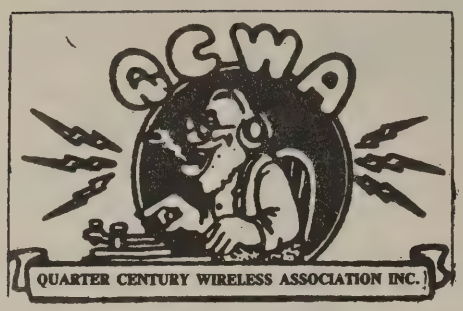

STATE QCWA NEWS
Edited by Eli Nannis, K4JMH

By the time you read this column, the QCWA 1984 National Convention will be over. It was sponsored by the Yankee Chapter and held in Hartford, Ct. There should be some interesting news coming out of this convention. I shall be leaving for the north for a few weeks very shortly and if your chapter notice did not get in this month, it will appear in the next issue of "Skip." The Sunday SSB QCWA net on Sundays on 7253 at 12:30 p.m. is still having problems with long skip but it should clear up soon (we hope). Our northern members should be returning soon. Give them a big welcome, tell them how much you missed them and why they should live here all year round. This is the time to go out for new members. You can find them at the many radio clubs in Florida. Leland Smith, W5KL, Vice President of QCWA will be our Guest Speaker at the QCWA Luncheon at Clearwater Suncoast ARRL Convention on November 24th. See our full page ad in this issue and send in your request for luncheon tickets as we sell out every year.

SPACEPORT CHAPTER: The Spaceport Chapter of QCWA hosted a joint meeting of QCWA, SOWP, VWOA, OOTC, and AWA at the Melbourne hamfest on Saturday, Sept. 8th. Unfortunately, the weather was not very cooperative and attendees had to brave heavy rain to get to the luncheon. In spite of the weather, 52 members and guests attended the meeting. A minute of silence was observed in honor of members who had become silent keys during the past year. After the customary introductions wherein all members and guests identify themselves, a few brief announcements were made. This year the chapter had a luncheon speaker. One of its own members Spencer Allen, K0REC, gave a talk on "The Mosquito Network," a network of radio stations in the Solomon Islands that he had set up in World War II. Based on comments received after the meeting, the speech was enjoyed by all present. The Spaceport Chapter's next luncheon will be held on Oct. 20th at Gatsby's in Cocoa Beach. All QCWA members and their guests are always welcome.

—Reported by Bill Willmot, K4TF

GATOR CHAPTER: We had an excellent attendance for a summer meeting on September 1st with 49 members and guests. Some of the guests were KB4FUT, W4DVO, K2QB, WF4Z and KE4O. The members were advised of the circumstances of the National Board of Directors voting to give Piedmont Chapter, the 1985 QCWA Convention. The 1986 QCWA Convention will be discussed at the National Convention at Hartford, CT. the end of this month. We are sorry to report that Hal Bates, W4OIN's XYL died several weeks ago. They would have been married 63 years on the date of this meeting. Ed, W4BUB and XYL are celebrating their 54th anniversary and Jim, N4BQC and XYL their 43rd. Leo Weiner, KE4O joined the chapter at this meeting. We were advised that Evelyn Gauzens, W4WYR's husband, also a ham, died recently. Evelyn is Vice Director of the ARRL Southeastern Division and Chairman of the Miami Hamboree. Nolan Baker, W4VXF will be our guest speaker at the next meeting and will talk on the Volunteer Examiner Program.

—Reported by Eli Nannis, K4JMH

CENTRAL FLORIDA CHAPTER NO. 107 (Lakeland): W4SVB can report on his latest world travel at the November meeting. Subject meeting will be on the first Saturday (November 3) instead of the second Saturday to preclude conflict with the Lakeland PicFest on the 10th. Same place: Western Sirloin, 3105 Hwy. 98N., Lakeland at 11:30 a.m. Sure hope more area hams will attend. W2HGV back from his extensive travels and sporting a tri-bander in place of the quad . . . how does it compare, Norm? K8RIF safely returned from his summer up north and glad to be home. N4BU qualified for Volunteer Examiner. Now there are four in the area: WT4F, W2HGV, N4BU and W4JM. How many candidates will there be for exams? Let one of us know. And to join QCWA National or local, contact President W4LHP, 688-7204, or Treasurer W4SVB, 683-0858. If you were a ham 25 or more years ago, we'd like to have you join our group. Your license term need not be continuous. W4SZ checks in faithfully from Sun City and sadly reports the illness of W8UKT. Regret to report the passing of K4QM's xyl in Vero Beach. All our sympathy, Ike. W4BJI/W4BGF are doing a FB job arranging tours for the Wednesday luncheon group . . . if you are interested give Mac or Notra a call, 682-5390. Sure hope N4BZX and xyl are back with us by now and that you are feeling good, Dick. W4OFT had a nice vacation in Michigan and visited with many of his old W8 pals from the early days. WA4OZA when are you going to break down and join us at a meeting? Miss John, KE4RZ, and hope he and xyl are doing well in TN. W4LHP's beam is doing o.k. but better conditions would help. W4YRK keeps his ole KWM-2 on line just in case the solid-state rig acts up. Hope the linear is helping you signal, Orv, VE3BFJ. VE3BIS was one of the most consistant checker-in'rs on 14245 this past summer. W4IMF pretty good too but where has N1BZW been? Hope K9HTJ is back with us by now . . . and closer to Lakeland. Hope a goodly number of our gang make the Clearwater convention and also attend the QCWA luncheon while there. K4FEI should be home and have his beam back up at DX height by now . . . how was Brevard this year Ray? W8TKR waited until cool weather to go north this year. Hope that K4UY can round up more of the Plant City gang for our meetings and check-ins on the 7243 net at 10:00 a.m. each Saturday. Finally, what can we do to get K4OVQ to rejoin the fold? Miss you and Rose, Lou. Please report any happenings to W4JM, 644-3435, so it can get into this column.

—Reported by Jim, W4JM

PELICAN CHAPTER: There were 23 members and guests at the first Fall season luncheon at the Lamp Post Inn in St. Pete. on Sept. 19th. Guests included Dutch Romig, and Cathy Soehl, W4BAV. A discussion was held on changing our chapter meetings to Saturdays. No decision was made on this change. Cres Donbar, K4YL became the third member of our chapter to qualify for membership into the exclusive Century Club. Other members are Reg, K4QZ and Jack, W4PLW. Our next luncheon meeting will be held at the same place on Oct. 17th. Our Board of Directors voted to raise the dues to $5.00 per year, as our expenses have been going up and up.

—Reported by Art Monsees, W4BK

QCWA HERNANDO CHAPTER NO. 148: This is a SPECIAL invitation to our Winter Residents to join the Hernando Chapter of the Quarter Century Wireless Association. We are the newest chapter in the state, No. 148.

If you are wintering in Brooksville, Spring Hill, Spring Lake, Floral City, Istachatta, Nobleton, Crystal River, Homosassa, Inverness, Dunellon, Beverly Hills, Dade City, Zephyrhills, Port Richey, Groveland, Clermont, Weeki Wachee or other outlying area . . . WE ARE HERE TO SERVE YOU.

Our dues are $3.00 per year. Waived for remainder of year. When you join you will receive an attractive membership card, a beautiful Certificate, a "just-off-the-press" Local Directory, a "newsy" monthly Newsletter . . . All Free. You'll be able to participate in our net on 146.715 via the State and Nationally Famous, Brooksville Repeater. It's a Super Machine. . .thru the courtesy of the Hernando County Amateur Radio Association.

Also. . .we have the application forms and will help you process any Golden Anniversary Awards. Additionally, application forms are available thru us to obtain a "50-Year Continuously Licensed" award from QCWA Hdq.

XYLs and guests are invited, in fact, urged to attend with the OM!

The next few meeting dates are . . . Mark 'Em Down . . . Nov. 20, Dec. 18, and Jan. 15. These are the 3rd Tuesdays of each month. Our luncheon-meetings are at the Omaha Family Steakery. Location: U.S. 41 one mile South of the Courthouse in Brooksville. Coming from the South it is just above the intersection of U.S. 41 and County Road 518. Time . . . arrange to arrive between 11:30 and Noon — order from the Menu — prices are very reasonable — Service excellent — we have a nice closed off room which will accommodate close to 100 people.

Our chapter now has Five accredited Volunteer Examiners with the ARRL as our Volunteer Examining Coordinator. We'll soon be scheduling examinations for this area.

—73, de Regis Kramer, W4ILE

HIGHLANDS COUNTY CHAPTER NO. 121: Met at the Ranch Haus in Avon Park at the usual 11:30 time with only ten members present because of sickness, everything from flu to heart problems and Orlando Hospital surgical trips. The chapter at the September meeting voted to co-ordinate the Volunteer Examiner program for the County Radio Clubs, and the Lake Placid Club has scheduled the first one for the Wednesday before Thanksgiving at 7 p.m. NS4R is our VEC and has a supply of new 610 forms from FCC at G'burg. Several have already been filled out for our county's first exam. With five Extras certified by CAVEC, Inc., for VE and only a $2.00 fee we expect a fine upgrade attempt here. The November meeting, also at the Ranch Haus, first Wednesday will have nomination for 1985 Officers — Be (their) there or you might get a job.

—73, W4BCZ

AERIALS
By Kurt N. Sterba
via WORLDRADIO, April 1984

Many amateurs living in apartments or other antenna restricted quarters have a rather tough go regarding the radiating of a signal. Here is one solution.

From the ceiling, hang a square loop of wire about 8'3" on a side. Cut in the middle of one side and feed with coax. Exactly opposite from where the feed is, cut the wire and seperate it with a couple of inches between the ends. What you have is half a quad loop, or a dipole made into a square.

The impedance will be quite close to 50 ohms, and the slight loss of signal strength (compared to a regular dipole at the same spot) won't be enough to notice. The dimensions are for the 20-meter band. You may scale up or down to the frequency of your choice. If you have enough room, you could make the loop one full wavelength (closed loop), but remember. . .if the loop is horizontal, the radiation will be straight upward.

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AREC REPEATER GROUP, Inc. WA4ARE/R 07/67 R. Brunner, Treas. 4072 Sussex Ave., Lake Worth, FL 33461. Breakfast 9AM Sundays at Clock Restaurant, N. Dixie, Lake Worth. All amateurs welcome! ! !

BRANDON AMATEUR RADIO SOCIETY, WB4BIM. Meets 3rd Thurs. at Apostles Lutheran Church. Nets Mon. 8PM on 147.165 Wed. 8PM Novice CW 21.165 9PM Phone 28.765 Mail: Box 1111, Brandon 3351

BROWARD AMATEUR RADIO CLUB, Inc. W4AB. W4AB/R 31/91. Meets 2nd Fri. 745PM, Red Cross Bldg., Ft. Lauderdale. Mail: Jan Lorah WB4KOC, 2407 Flamingo Ln. Ft. Lauderdale, FL 33312.

CYPRESS CHAPTER of Ten-Ten International. Meets Wed. 8PM on 28,665. Covers E.-Central FL. K4TSY Chapter Head. For certificate work 5 holders, send long info & $1. to Bob Lucas K4HTU, RD 3 Box 2630, St. Cloud, FL 32769.

DADE RADIO CLUB, Inc. W4NVU. Meets 1st & 3rd Tues., Museum of Science, 8PM, 3280 S. Miami Ave., Miami. Mail: P.O.Box 350045, Riverside Station, Miami, FL 33135.

DAYTONA BEACH AMATEUR RADIO ASSN., Inc. K4BV. Meets 8PM, 3rd Monday monthly, American Red Cross, 341 White St., Daytona Beach, FL Come and bring a friend.

EVERGLADES AMATEUR RADIO CLUB. W4SVI/R 146.235/835. We meet 2nd Fri. ea. month 8PM, Dade Co. Agricultural Bldg. 18710 SW 288 St., Biscayne Dr. at Redland Rd. Homestead 33030.

FELLOWSHIP AMATEUR RADIO CLUB, Inc. Meets 4th Thursday at Ingalls Park Recreation Center, 735 SW 1st St. Hallandale, FL 730PM. N4AXQ/R 147.81/147.21 Mail: Box 680284, No. Miami, FL 33168.

FLORIDA GULF COAST AMATEUR RADIO COUNCIL, Inc. P.O. Box 157, Clearwater, FL 33517.

FLORIDORA YL'S, W4FE. Pres. KA4MEW, Vice Pres. WA4EDL, Sectry WB4AUR & Pres. W4WPD. Nets: Tues. 9AM 3933 and Mon. 930AM 7285 kHz. All YLs and XYLs welcome to join us.

FORT PIERCE AMATEUR RADIO CLUB meets informly every Tuesday, 730PM, Room W-111 Indian River Community College, Virginia Ave., Ft. Pierce. Byrd Ford KA4GNX, Sec. Box 5 33454

GULF COAST AMATEUR RADIO CLUB. P.O. Box 595, New Port Richey, FL 33552. Meets 4th Mon. each month 730PM at Colonial Hills Civic Assn. 87 Peacock Dr. NPR 146070/670 WA4GDN. All are welcome.

THE GOLDCOASTERS. Meets 2nd Mon. ea. mo. Pals Captain's Table, Deerfield Bch, 11:30AM. Additional meetings 4th Mon. during Jan. thru Mar. Open membership. Write: PO Box 2778. Boca Raton, Fl 33432 Phone 421-6704. Net daily 14346, at 915AM

GREATER TITUSVILLE AMATEUR RADIO CLUB. Meets 3rd Mon 730PM ea. month at Titusville Chamber of Commerce Bldg. Mail: c/o W. R. Young, K4DQT, 3845 Catalina St., Titusville 32780 Rptr 146.31/146.91 for other details.

HILLSBOROUGH AMATEUR RADIO SOCIETY, Inc. WA4GJJ meets 4th Thursday 730PM Telcom Plus Bldg. 5723 Benjamin Ctr. Dr. N. TPA Arpt. Mail: Box 24602, Tampa, 33623 info 884-7917.

HOLLYWOOD AMATEUR RADIO CLUB, Inc. WB4TON/R .385/.985 Meets 3rd Mon. 800PM Rm 238, So. Satellite Court House, 3550 Hollywood Blvd., Mail: PO Box 6306, Hollywood, FL 33021.

INDIAN RIVER AMATEUR RADIO CLUB W4NLX meets 4th Thurs. First National Bank, Merritt Isl. 730PM Mail Box 5 Cocoa 32922.

KEY WEST AMATEUR RADIO CLUB. W4LLO/R 146.34/.94. Meet 8PM, 2nd Tues. Sportsman Inn. N. Roosevelt Blvd. Mail: Box 2371, Key West, FL 33040. Phone 296-2723. Most souther radio club ! !

LAKE AMATEUR RADIO ASSN. Inc. K4FC.Meets 1st & 3rd Thur. 8PM, Clubhouse, Springdale Ave., Bassville Park. Mail: Dot Favorite KA4MIL, 106 Island Dr., Leesburg, FL 32788. All Welcome.

MAGIC CITY AMATEUR RADIO SOCIETY. Meets 4th Saturday, 3rd floor, Conference Room, 2PM, Joseph Caleb Center, Miami. Details from: John Dillard, WB4WXF, Pres. 305 633-5433.

NORTH FLORIDA AMATEUR RADIO SOCIETY, W4IZ. Meet 2nd Thurs. 730PM Ed White Sr. Hi School RM 110, 1700 Old Middleburg Rd., Jax. Mail: B. Williams N4UF, 9110 Rio St. Johns Dr. Jacksonville, FL 32211.

OLD OLD TIMERS CLUB (OOTC) net Sunday 2PM on 7247 kHz. Info: Bob Bookwalter, W4NWF, 728 Valencia Rd., Venice, FL 33595. 813-485-7928

METROPOLITAN REPEATER ASSN. Inc. KO4J 147.96/147.36 222.34/223.94, 444.30/449.30 meets 4th Thurs 730PM Freedom Savings Bldg., 2230 E Bay Dr. Keene Plaza, Largo. Mail: Box 1462, Pinellas Park, FL 33565.

PALM BEACH REPEATER ASSN., Inc. 28/88. Meets 1st Tues. each month 730PM. Palm Beach Civil Defense Bldg. 3723 Belvedere Rd. WPB. All welcome. Membership available. PO Box 461, Lake Worth, FL 33460. Nate Talbot W1NXP, Treasurer.

PLATINUM COAST AMATEUR RADIO SOCIETY. Meet 2nd Mon. ea. month, Red Cross Bldg., 1150 S. Hickory St., Melbourne. Mail: Box 1004, Melbourne, FL 32901. Rptr: WR4AMJ 146.25/.85.

PLAYGROUND AMATEUR RADIO CLUB, W4ZBB. Meets 1st & 3rd Thur 730PM. Clubhouse on 1st St. Ft. Walton Bch. Mail: PO Box 873 Ft. Walton Bch, FL 32549 March Swapfest Rptrs 146.19/79 & 147.60/00.

ST. PETERSBURG AMATEUR RADIO CLUB, Inc. W4GAC. Meets 8PM, 1st Fr., Red Cross Hq., 818-4th St., Mail: PO Box 4026, St. Petersburg, FL 33731. All amateurs welcome. Bring a friend.

SARASOTA AMATEUR RADIO ASSN., Inc. W4IE. Meets 3rd Tues. 8PM. Sarasota Co. Administration Ctr, US 301 & Ringling Blvd. 6th Floor lounge area.. Mail: Box 3182, Sarasota, FL 33578. Join us ! ! !

SILVER SPRINGS AMATEUR RADIO CLUB. Meets 3rd Tues. ea. month at Forest Hi School, 1614 SE Ft. King St., Ocala 730 PM. Net other tues. 730PM on 146.01/61. Mail: Hugh C. Henline W4JOP, 3480 SE 26th Ct., Ocala, FL 32671. Ya'll come Now!

SOCIEDAD INTERNACIONAL DE RADIO AFICIONADOS, INC. (SIRA) WB4ESB & WB4ESB/4 147.90/30. Mail: Box 524071, Miami, FL 33152. Bulletins on 3785, 7155, 14155, 21255 & 29155kHz. Emergency net 14205 and 147.510. Info & drill net Tuesday 9 PM thru repeater. Phone 305 822-1688.

SOCIETY OF WIRELESS PIONEERS. Edison Chapter meets Sun. 2PM, 7055 kHz. Bill K4TF CHOP. Info: Bill Willmot K4TF, 1630 Venus St., Merritt Isl., FL 32953. Transcon SOWP net, Tue. & Thurs 10AM EST, 14115. Info Sy, W4IKU, 305 651-5385.

SOUTH FLORIDA FM ASSN. W4SQG/R 146.16/146.76, WD4BVO/R 146.4/147.0 & WD4SFG/R 449.20/444.20. Mail: PO Box 4300-25, Miami, FL 33143. Meets 2nd Mon. CD Hq 5600 SW 84Ave.

TAMPA AMATEUR RADIO CLUB, Inc. W4DUG. Meets 1st & 3rd Mon. 730PM at Club House, Davis Isle, Columbia & Barbados. Mail: PO Box 10453, Tampa, FL 33679.

WEST PALM BEACH AMATEUR RADIO CLUB, Inc. W4HAW, PO Box 6834, Southboro Sta., WPB, FL 33405. Meets 3rd Sun. 9AM VFW Post 4360, Palm Springs, East of Fire-Police Station. Info: 655-5766.

ZEPHYRHILLS AREA AMATEUR RADIO CLUB' INC. Meets 4th Thur. ea. mo. 730PM at Community Center at Lake on W 54. Mail: PO Box 1534, Zephyrhills, FL 34248. Come & bring XYL.

QCWA CALOOSA CHAPTER. Luncheon last Wed. ea. month 1130 AM, Le Bistro restaurant, 4515 Del Prado Blvd., Cape Coral, 3 blocks N. of Parkway on right. Info: D. Bowman W4OUU, 5317 Colonade Ct., Cape Coral, FL Phone 813 542-4656. All Welcome.

QCWA CENTRAL FLA CHAPTER Meets 2nd Sat. noon, Western Sirloin, 3105 Hwy 98N, Lakeland. Net 10AM Sat on 7243kHz. Info: Charles Chapman W4SVB, 726 Easton Dr., LAL 813-683-0858.

QCWA CITRUS CHAPTER. Meets 3rd Saturday each month 1130AM at Duff's Famous Smorgasbord. Intersection SR 436 & 434 "K" Mart Plaza, Altamonte Springs. Net meets 9AM Saturday 3955 kHz. All Welcomed.

QCWA EVERGLADES CHAPTER. Meets 2nd Sat. Sept thru April. Sweden House, 5550 N. Fed. Hwy., Ft. Lauderdale. Info: See Skip News column or call Roy McCarty W9KA, 305 731-4145.

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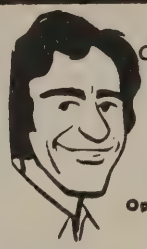

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QCWA FLORALA CHAPTER. Meets 2nd Sat. (Sept thru June) Noon, Western Steer Stake House, Ft. Walton Beach. Pres Bob Miller, WD4FSC, Sec-Tres. Bill Hord W4WIJ, 618 Pelican Dr. FWB 32548. Net Mon. 730PM CDT 146.28/88.

QCWA GATEWAY CHAPTER meets 3rd Sat. ea. mo. Uncle Johns Pancake House, Beach Blvd. Net 7230 kHz. Info: Florence Bogardus W4HRC, 5737 Luella St. Jacksonville, FL 32207.

QCWA GATOR CHAPTER. Tampa Bay area. Meets 1st Sat. Noon at Chief Charlie's Restaurant on route 580 Dunedin
Wkly net Sat. 915AM on 3920kHz. E. Nannis K4JMH 14996 Imperial Pt. Dr. No., Largo, FL 33544 All welcome.

QCWA HIGHLANDS COUNTY CHAPTER (121) meets first Wed. Contact K4HSC, Meg Hennor, Sebring 655-0871, V-P or W4BCZ Phil McMasters 465-3359, Rt. 5 Box 275, Lake Placid, FL 33852

QCWA PELICAN CHAPTER. St. Petersburg. Meets 3rd Wed. noon Valentinos Rest. 700 34th St. N. Net: 10AM Sat. 3930. Info Art Monsees W4BK, 1255 Pasadena., S. Pasadena 33707 381-5411 X7024.

QCWA SOUTHEAST CHAPTER. Meets 3rd Sat. ea. Mo.at Noon. More info: W4KGJ 666-2058, W4KO 685-1963 or W4LGP 891-7692. We also welcome all OOTC and SOWP members anytime! !

QCWA SPACEPORT CHAPTER meets 3rd Sat. of each month at 11:30AM at Gatsby's on SR 520, Cocoa Beach. Bill, K4TF, Pres. K4KCN, Chas, Secty. 453-0285 for info. Old timers always welcome.

QCWA SUNCOAST CHAPTER. From Tampa So. to Marco Isl. Meet at Davey's Locker, Rm of Windjammer Rest., 7100 S. Trail US 41, 1st Wed. ea. mo. Oct. Thru May. Info: A. Hodson W4PJF 756-5792.

QCWA SUWANNEE CHAPTER. Meets 1130AM 4th Sat. even months. Holiday In, Silver Springs. Net Sat. 7236, 9AM. Pres. W1RFE, Sec/Tres Hugh Henline, W4JOP, 3480 SE 26th Ct., Ocala 32671.

QCWA TREASURE COAST CHAPTER. Chairman W4TZ, & Sec-Treas K4QM. Lunch, 2nd Thurs. Sheraton Regency, No. A1A, Vero Beach. Mail: Box 3088, Vero Beach, FL 32964.

MARTIN COUNTY AMATEUR RADIO ASSN. K4NTA/R 147.060 - 600. Meets 4th Wed. 1930 Langford Park Fldhse, Jensen Beach. Mail: P. O. Box 1901, Stuart. FL 33495.

INTRACOASTAL AMATEUR RADIO ASSN' 145.410 MHz, KA4SEJ/R. Dinner meeting last Wed. of month. Info: on air or KA4LAV, Stu 925-5321 days, Hollywood, FL.

SPECIAL EVENT STATION

The Coronado Wireless will operate the fifth annual Special Event Sttion at Christmas, Florida on the 15 and 16 of December. The special event will run from 1400Z until 2200Z, with the call K4HML.

The frequency will be up 5kcs from the lower end of the General band. QSL for a large size SASE to: K4HML, P.O. Box 1, Edgewater, FL 32032. We would enjoy your QSL also.

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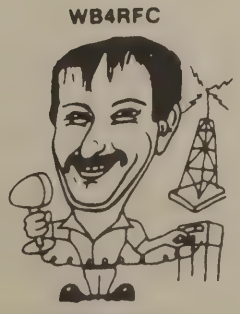

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New officers of the Citrus QCWA Chapter L to R: K4JDY, Lou Quinonez, Tres.; W2IOE, George Jeck Jr., Pres.; W3SOB, Bob Sutter, V. Pres. and K4KQ, Chuck Bolvin, Sec. Term runs 1984-85. See DIRECTORY for meeting details. (Photo via W2IOE)

NOTICE AIRLINE COMMUNICATORS

Annual reunion of airline communications people is planned for Sunday, January 20, 1985. Date chosen to fit the visit of Roger Dankert, K0IEE, of Denver. Last year we had representatives of PAA, EAL, FAA, CAA, and ARINC. Self contained RV/Campers stay as long as you like. Bring food, snacks and drinks for yourselves. Wives enjoyed last year as much as the men.

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24 hr. NATION WIDE TOLL-FREE
1-800-824-7888, Operator 885

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DEADLINE for all Hambars and ads, 8th of each month in P.O. Box 501, Miami Springs, FL 33266. Normal mailing date 25th of each month. Thank you for your cooperation. Editor.

FOR SALE: E Z WAY RBX-60 60 ft. crank-up tilt-over tower, CDE Ham II rotator, TH6DXX tri-band beam $700. Cushcraft A147-11 eleven element 2 meter beam $25. Central Electronics 20A SSB Xciter $50. BC-342 receiver (needs repair) $20. John Munro WB4BAF, 5012 Suwanee Ave., Tampa, FL 33603 813 238-5967.

SELL: KENWOOD TS520S with c.w. filter $300 or trade for FL2100B linear. N. Thornton K4JXD, 612 - 24th St., Zephyrhills, FL 34248 813-788-3984.

FOR SALE: Teletype 28KSR, 60 WPM gears, BONUS free paper for life. $90. Drake T-4XC, MS-4, 4225 P/S, R-4C 500 Hz CW full 10 meter coverage. Excellent RTTY rig separate model and filter controls with pass-band tuning $500. PACKAGE ONLY or trade for HF transceiver. Kenwood 2-meter HT, charger, rubber duck $190. Bill Whitaker WD4JKM, 13360 SW 50th St., Miami, FL 33175 305 223-5782. Ft. Lauderdale phone 463-6401 (8AM-4PM) daily.

SALE: OMNI-C with delux power supply and 3 filters $550. Yeasu 2 meter transceiver CPU-2500-R with power supply $300. Globe phone patch with rotary dial phone $25. Heath SB220 $350. Heath Cantanna with oil $20. Dewalt radial Hallicrafters receiver Super Skyrider $25.

Vibroplex antique bug $25. National NC-240D $25. Collins receiver 75A2 $25. Tower for 20 meter beam 3 ten foot sections $100. Metal parts cabinets 34 wide 11 high and 17 deep with 18 drawers $20. RG8 at 10 cents per foot. Many smaller items. Frank Kaprocki K3BUT/4, 209 Lakewood Dr., DeBary, FL 32713. (no phone given.)

FOR SALE: ESTATE EQUIPMENT: Kenwood TS830S with mike, manual, carton, used very little $470. Kenwood TS520S, manual, just like new $395. Astro 150 by SWAN, transceiver, 125 W. CW/SSB, all amateur bands, plus 200 kHz either side, manuals, PSU-5A AC supply and ST-3A 3 to 30 MHz antenna tuna, package deal only $1000. SWAN DD-76 digital frequency read-out, all amateur bands. Works with SWAN 500, 350, 700 etc. $50. Philmore VSWR meter $8.00 Electrophonic stero 8 ohm phones $6. All plus UPS. Andy Clark W4IYT, 41 Lenape Dr. Miami Springs, FL 33166 305 888-3874.

FOR SALE: WILSON trap vertical 10 thru 40 meters, good condition only $35. Jim Davis KE4EP, 4330 NE 15th Terr., Ft. Lauderdale, FL 33334 305 771-3476.

MUST SELL: Moving residence. 100 ft self-cranking steel tower for sale. $1100, new asking $600. Must be dismantled by buyer. Ben Lustrup, 822 N. Folg Dr. Hollywood, FL 33021. Call 305 981-7624 after 6 PM.

FOR SALE: SBE-144 2-meter transceiver, 12 chnls, 12 watts output. Loaded with repeater and simplex xtals $80. Heath VTVM Mod. IM-18 very clean $23. Heath GH10 VFO, covers 80 thru 2 meters, looks and works like new $35. HW-16 Novice transceiver, 3.5, 7 and 21 MHz. Very hot set with 100 percent break-in. $85. Speaker for HW-16 $4.00. New RG59-U coax only 5 cents per foot. Soli-tron solid state 12V 8A battery charger $14. 100 foot solid copper antenna wire size 12 $9. All above plus UPS. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

COMMUNICATIONS: This is the story of four people: Everybody, Somebody, Anybody and Nobody. There was an important job to be done and Everybody was sure that Somebody would do it. Anybody could have done it but Nobody did it. Somebody got angry because it was Everybodys job. Everybody thought that Somebody would do it. But Nobody asked anybody. It ended up that the job wasn't done and Everybody blamed Everybody, when actually Nobody asked Anybody.. . . . Thanks N4ELH...

SELL: CLIPPERTON - L 2K 10-80 with tuned circuit $400. TS-520 with DC cord +75. Heath SB-200 10-8 $300. ICOM 25A with IC-BU-1 memory Battery pack-up $225. Ringo Ranger antenna $15. HF-700S SWAN 550 PEP with 8950 finals $300. SWAN 117X power supply $75. Heath battery eliminator 20 amps int. 15 A continous. $100. Heath IT-12 visual-arual sig tracer $15. Heath FM HA202A 40 watt amp $30. Triplett VTOM new condx. 40 ft. Rhon 25 tower with 1/2 section for conrete installiation, clean $100. All clean with manuals. Pick-up or U ship. Ski Karpinski WB4AOG, 1312 13th St., Zephyrhills, FL 34248 813 782-6426.

FOR SALE: SONY RR-200 double play professional recording tape. 2400 feet ¼" - ½ mil. splice-free polyester 77" reel. The best money can buy. All frand new - never used. Sells new $6.95 new, asking $1.50 each. Have good supply. Plus postage. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

FOR SALE: Complete Yeasu station. FT-901 transceiver, FL2110-F linear amplifier, SP901 phone patch/spkr, YO-101 monitor-scope, FC901 antenna coupler, YD-148 dynamic mic. All in excellent condition. All manuals. The first $1,200. takes it. Alex Bartha WB4MFZ, 529 21 Ave. N., Lake Worth, FL 33460 305 585-6918.

FOR SALE: KENWOOD TR-2200A, 2 meter transceiver, wall charger, PPT mic, 94-94, 34-94, 52-52, 16-76, 22-82, 28-88, 40-00, 25-85, case, manual, whip, nicads, very clean. Hear it on DEN or other repeaters. $90. 2050-2056 MHz 4 foot dish, metal, with 2-3 inch pipe mounting bracket. 26 dB gain. You haul $50. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

FOR SALE: 40 ft heavy duty ALUMNA Tower, crank-up, tilt-over. Mosley TA-33 tribander, HAM III, cables, etc. Less than half price---$ $750. You take down and haul. Kenwood TS830S (recently aligned) service manual, D104 W/stand $600. firm. Clipperton-L (needs 572Bs) $275. Contact John Weber. K4JW, 102 Southgate Blvd., Melbourne, FL 32901 305 724-9590.

FOR SALE: Texas instruments silent 700 terminal modum to modum or as printer, set up for TRS80C printer, 3 rolls of paper, maintance manual $150. H.P. 10B VTVM with manuel FB shape $40. 14" color TV tube type FB. Try before you buy $50. 40 Chnl CB, real good 10M FM or? ? E. Keith Parkman W4ZEU, 442 Banyan St., Sebastian, FL 32958 305 - 589-6985.

WOULD LIKE TO BUY: A motorola UHF HT-220 slim or Omni and a VHF Motorola HT-440, also a charger for a HT-220. Gary WD4IPL, 1025 Meadowlark, Merritt Island, FL 32953 305 452-2792.

SELL: TEN TEC OMNI-C, S/N-546-2865, 280 power supply, CW crystal filter, excellent CDX, $475. Firm. Heath H-116 TCN, 80-40-15 bands w/ H-10 VFO $100. plus UPS. F. M. Emmert N4IUE, P. O. Box 397, Clearwater, FL 33517, 446-8189 after 6pm.

FOR SALE: DRAKE equipment: TR7, 250 W. SSB/CW, RV-27, MS-7, PS-7. MN-7. Package $2277. LBO 310 (Leader) Ham Monitor scope $75. CD control box only $30. PS-30 $50. With Service manuals for Drake only. All plus UPS or pick-up. Mike Alonso WB4VMU, 8181 N. W. South River Dr. Lot D-427, Medley, FL 33166 305 888-4456.

FOR SALE: National NCL-2000 linear $350. Still puts out IKw. Chip K8WIW, 216-831-9198 or c/o Elmer Shafer 3479 Kersdale Rd., Pepper Pike, OH 44124.

WANTED: ROHN fold over tower or fold over mechasism. James Lucas WB4LPU, 406 Ellen Way, Bradenton, FL 33511 813-689-7245.

FOR SALE: Kenwood TR-7625 with mic and mobile bracket. Excellent condition $150. Armand Gilone N4EPM, 1329 Kenlake Ave., Spring Hill, FL 33526 904 686-2525.

SALE/TRADE: Computer TRS80 mod 3, 48K menory, cassette drive, 232 post, manuals and software. Wilson SY-36, 6 element beam. Both items like new. WANT printer Epson RX 8 FT, Gemini 10X or equivilant. RTTY TU and program for model 4. What you have? Cliff Decker N4ESO, 825 NW 116 Terr., Plantation, FL 33325 305 473-8012.

FOR SALE: Doppler System radio direction finder mod. DDF3003 factory assembled W/base station ant. Mod. DDF3050-45 and moble ant. model DDF3060 cost $870. Sale price $500. Also the interface, Kantronics, with hamsoft for TRS80C $80. Heath tube checker model IT-21 $25. Knight oscilloscope mod. 955 with book $25. Wavemeter 80-1220MHz model AN/UPM-2 $25. Heterodyne frequency meter with a.c. power supply mod. CRR-1011 same as LM-13 $25. You pick up. John Dent WA4MEJ, 1514 Lance Rd., Jupiter, FL 33458 305 746-1487.

YAESU FT-107M, power supply, FP-107E] phone patch SP-107P also mike YM-35. all $595. F. MacDonald K2CXH, 1610 Reynolds Rd. Lot 141, Lakeland, FL 33801 813 665-5693.

SELL: TS120S transceiver with mic MB mounting bracket for mobile PS30 power supply. Used two times. Pick up. $275. W4JZB, 609 Williamsburg Dr., Holly Hill, FL 32017 904 255-1652.

SALE: ICOM02AT, 2 meter handheld with charger and ICOM HM-9 external speaker mic. Hustler 2 meter 5/8 wave vertical with trunk lip mount and coax also 2 meter portable quad with coax. Everything mint with cartons and manuals $300. Also Western Electrics 10-40 meter trap dioplole with coax brand new in carton and coax $75. Derrick George N8CPC, 13606 Cozy Place, Tampa. FL 813-961-8651.

SELL: KENWOOD TS-520 with DG-5 display CW filter, clean $400. Frank Wittlinger K4QCO, 4271 Pine St. West Palm Beach, FL, 33406 305 965-1993.

FOR SALE: Century 21 CW Xcvr with matching 670 Keyer and 270 crystal calibrator. All in excellent condx with manuals. $250. Ralph Chirino WA4GNT, 2235 SW 123 Ct., Miami, FL 33175 305 552-5897.

FOR SALE: Two TEKTRONIX oscilloscopes, (1 545 & 1 545A) dual trace both with CA plugins and manuals. $100. each. Collins 30L1 10-80 meter amplifier with new 572Bs and double transformer external power supply, spare 811As and manual $400. Drake R4C with external spkr cables, manual, excellent $225. Galaxy model 2000 10 thru 80 amplifier excellent $400. ICOM model 551 6 meter multi-mode transceiver, manuals, excellent $350. Eddie Richardson WB7UCZ, 4423 State Road 218, Middleburg, FL 32068 904 282-0983.

SALE: DRAKE R4B, T4XB, MS-4 power supply/speaker, Shure mic, all in excellent condition. $400. Russ Hultz, K7FAL, 3912 NW 58th Place, Virginia Gardens, FL 33166 305 871-4765 after 5PM.

FOR SALE: HW-101 W/HP23B P/S $200. Heath VF7401 $150. Gregg Eberman W2SDV, 2201 Brian Ave., South Daytona, FL 32019 904 - 761 0867.

FOR SALE: Bearcat 220 Scanner with aircraft $175. Collins KWM2As with power supply $495. each 312B-4, $125.00, 312B-5 $250. Heath gear, SB104 all solid state P.S. $395. SB303 plus 401 $275. Digital display's for Collins plus other gear $150. plus $135. DMI shop counter 1.2 GHz $200. Almost new, HAL CWR-6850 Telreader, CW/baudot ASCII this one does it all, paid $900. Sell $600. Two Genau HTs with chargers $70. All above gear in excellent condx. Cliff KB4LAP, 991 Tangled Oaks Dr., Sarasota, FL. 813 371-5200 or 377-2020.

SALE: Heathkit HW5400 microprocessor controled transciver. Mint condx with lambda power supply $400. O.B.O. Drake TR4C with AC4, MS4, NB4. Excellent condition $275. O.B.O. may make full or partial trade for good rcvr on either Tcvr. Drake 2B with 2BQ and calibrator. Good condition $95. O.B.O. Cushcraft 6 M 5 El. beam $25. Tempo 1 D.C. supply $25. Homebrew ant. tuner with center feed ant. and balun $45. Jerry Grizzell WD4KPW, 1703 Balmoral Dr., Clearwater, FL 813-461-3553.

FOR SALE: Oscilloscopes by Tektronix, Bandwidth from 10 to 90 MHz model 545 mainframe $110. Curt Smith W4LBE, 6560A San Pedro Sq., Winter Park, FL 305 671-4536.

FOR SALE: Computer, TRS-80 model 3, dual disk drives, RS-232, modem Epson MX-80FT printer, dozens of programs including profile and DOS-PLUS operating system, lots of books, all manuals, case of printer paper, several boxes of disks and much more, $1800. David Peeling WD4LLP, 4945 Dolphin Dr., Lake Worth, FL 33463 305 967-6526 after 6PM

FOR SALE: TENTECH TRITON IV 540 $285. Solid-state oscilloscope USM-117C $225. Crystal filters 9MC 2.1KC $10; Cushcraft 2M A144-10T $40. Wayne Cooper AG4R, 9302 NW 2nd Pl., Miami Shores, FL 33150 305 757-1718.

NOTICE: Our HAMBAR POLICY is that all submitted HAMBARS give their full name, call, address, ZIP and phone numbers. Make it easy to sell or buy YOUR EQUIPMENT. Don't make it hard for them please. Ed.

FOR SALE: Hallicrafter HT-37, mint. Will deliver 50 miles, with manual $75. R. Terrill N4ANT, 5606 Sedgefield St., Orlando, FL 32808 305 - 299-6338. NO collects.

SELL: Fisher VHS 510 $280. Kenwood TS520S AC/DC extras $450.00. SWAN 250C and 2 mtr converter $300. Phelps Dodge 150 MHz base antenna $100. Motorola base 2 chnl 38 MHz, Wilson 1402 $50. 30 Ft. tower, MDS 2.3 GHs ants and rcvrs. VIC 20, modem, cassette deck, 110 tape programs extras. Make offers. Tom Smith WB4RGQ, 25 S. Halifax Daytona Beach, FL 32018 904 252-2906.

SELL: Model 19 RTTY machine with mainline TT/L-2 demodulator $100. M-Square 2 meter converter for M.B. P.S. B. $25. G.E. [illegible] 2 meter transceiver 2 chnl 52-94 50 watt output $50. TH3 Jr Hy-Gain 3 element 3 band beam $60. 4 element 2 meter quad $50. Yaesu 207R HT $165. Pierce Simpson 10 amp power supply $25. G.S. C. 20 amp P/S $45.00 Antenna tuner 2.5 Kw $250. Heathkit 2 meter amp 2 in 10 out $30.00 Micronta multitester 25 ranges $15. Bob Honey KI4IX, 10876 SW 69th Dr., Miami, FL 33173 305 271-7981.

SELL: Kenwood TS830S with 500Hz filter $650. Heath SB-220 linear w/10 mtrs $450. AEA Morsematic contest keyer $125. Telex CM1320 headphones w/mic $65. Drake TV-1000-low pass $20. TV-42-low pass $10. SST T-2 200W tuner $25. ElectroVoicd 664 mic with DJ-type stand $50. W2AU balun $10. KLM J-2 2 mtr 5/B $20. Tom Nail AE4H, day: 305-462-5026. Eve: 305-524-6759. P.O. Box 564, Ft. Lauderdale, FL 33302.

SOME PEOPLE WHO SLAP YOU ON THE BACK ARE TRYING TO HELP YOU SWALLOW WHAT THEY JUST TOLD YOU.....K1GGP/4...

WANTED: Hy-Gain 14AVQ 15 meter trap Assy No. 877131. Have all other traps and sections & clamps. SELL or trade above for pair of 40 meter TA-33 traps, or sell for $18. for pair plus UPS. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

FOR SALE: 40 ft. tower you take down $200. 2 - tower clamp on arms $200. each. Hallicrafter SX-146 rcvr and HT-46 trans $150. Heathkit scanner 8 channel $80. Heathkit freq counter mod. IB-1103 $50. MFJ 941-C ant. tuner $75. Palomar Eng. M-827 SWR power meter $50.00. JC Pennys 40 chnl CB $40. Shure 444 mike $30. Hy-Gain 23 chnl base C-B $10. Robert Drum WA4ZQL 6741 NW 8th St., Margate, FL 33063 305 972-4786.

FOR SALE: YAESU FT101ZD, Mark II transceiver, fan, mic, manual and shipping containers, like new $500. Yaesu FC901 antenna matcher, SWR bridge, watt meter with manual and shipping containers, like new $100.00. Prefer pickup. Cash or money orders please. Tom Schropp WA4QNY, 2655 Nebraska Ave., Palm Harbor, FL 33563 813 785-2576.

MURPHY'S LAW: IF ANYTHING CAN GO WRONG, IT WILL, AND GENERALLY AT THE MOMENT THE SYSTEM IS MOST INDISPENSIBLE:

SELL: Computers — timex sinclair 1000 with Sinclair 1016 (16K exp) G.E. tape recorder and 3 programs (the stock option analyzer, power packi, money analyzer, all for $65. TRS-80 16K Level II model I bought new just before model III came out. I wanted seperate keyboard for future RTTY use, but did not use. Not more than 4 hours total use $395. TRS-80 model 3, 48K memory, RS232, green screen CRT, one 40 track disk drive with about 1,000 programs included $795. K8HEY, No. Name, 2565 N. Atlantic Ave., Daytona Beach, FL 32018 904-672-6856.

NOTICE: When submitting HAMBARS, PLEASE give your name, call (if any) full mailing address and phone numbers. Make it easy for the buyer to reach you. Editor.

FOR SALE: YAESU FT101-B, CW filter turner plus 3 power mike, Spectronics DD-1 display, excellent condt $410. Midland 13500 - 12 chnl xtal, 2 meter rig with Polomar 6 amp supply $90. Hallicrafters 2 meter ant. $25. PICK UP ONLY. WANT TO BUY: OR TRADE: for Yeasu FC102 ant. tuner. Harry Weir WD4FGN, 890 SE 4th St., Hialeah, FL 33010 305 887-5207.

SALR: SWAN 600R custom, SS16, SWAN 600T, SS16, VOX. Swan 330 general coverage VFO complete $475. Kenwood 7625 2 meter transceiver, RM-76 A-1 $145. Collins 51S1 Gen. coverage rec. A-1. $660. Will trade. Collins KWS1, 75A4, call F.O.B. Will trade. Want IC720. Jack Edlow K4YIW 200 N. Halifax Ave., Daytona Beach, FL 32018 904 252-7743.

IF YOU PLAY WITH ANYTHING LONG ENOUGH YOU WILL SURELY BREAK IT...

FOR SALE: Drake R4B, T4XB, AC4, MS4 & mic $375. MN2000 Matching network $100. L4B 2Kw linear & PS $500. CL33 Tribander $75. W2AU balun $8. Tempo VHF-ONE 2M rig needs work $30. Motrac 2M 80W with spare parts head & manual $40. SWAN VX-2 VOX $10. AZDEN PCS3000 2M rig $190. Heath HM102 wattmeter $10. Digital 24 hour clock $10. Raytrack mic compressor $15. 12V 20A reg PS $35. 12 V. 4A reg. PS $15. Johnson phone patch $15. Yaesu SP901 spkr-phone patch $25. Tempo 2M amp 10 in 120 out $ 45.00. Shure 444 mic $15. KDK 2M synth rig needs work $25. Joe Picior WB4OSN, 1485 NW 66 Ave., Margate, FL 33063. Call eves 305 971-9733.

IF ONE VIEWS HIS PROBLEM CLOSLY ENOUGH HE WILL RECOGNIZE HIMSELF AS PART OF THE PROBLEM.

FOR SALE: Heavy duty galvanized tubular steel tower, Wilson 61B. Also customized tilt over base MT-61B which contains rotor mount. Entire tower roates on massive bearings. Motor drive up-down, can be remoted to shack. Freestanding (no guywires) designed for 18 square feet of antenna. Current replacement cost over $3000. Sell for $1400. Also triband Telrex 6 element model TB6EM, heavy duty with three inch diameter boom, all stainless hardware and Telrex balum. Current price $565. Sell $300. Both for $1550. Ready for your boat trailer pick-up. Also other items: Shure 444 microphone $35. or trade for clean MC50 microphone new NYE Kw low pass filter $17. Three clean undrilled rack panels, Bud PA1105 (8.75 inches high) aluminum lot $30. Monitor line panel, as above, with three 4.5 inch Simpson AC meters, 150 VAC 300 VAC, 50 amps AC, value $135, sell $60. Marshall Goldblatt W4EMB, 11801 SW 70 Ave., Miami, FL 33156 305 666-6997 anytime.

FOR SALE: ALFA 76 $875. KENWOOD TL922A with 10 $900. Daiwa CNW 518 ant. tuner $225. all mint. Collins 32S-1 with PS, needs work, low output $195. John Morris K5OTI, 11502 SW 129 Pl, Miami, FL 33186 305 554-1226 9 to 5 only.

NEVER STEP INTO ANYTHING SOFT...

Notice: NOVICE CLASS OPS: DON'T BUY USED GEAR ALONE. ALWAYS HAVE A FRIEND WITH A GENERAL CLASS OR HIGHER WITH YOU. PLAY IT SAFE, DONT GET STUNG.

SELL: ICOM 730 complete with mobile mount $525. HAL CT2100/KB-2100 $515. Telrex TB5EM five ele tribander $250. Rohn 25G tower. 3-sections plus base plate $170. Jack Merrell Jr., KN4AKW, 371 Cherry Dr. Satellite Beach, FL 32937 305 777-5055.

SELL: YAESU FT101B with CW filter, FV101B, VFO, Shure 444 mike, all cables & manuals. Excellent condition $450. M.O. Includes packing & shipping. Hustler 4BTV vertical, good condition $30. HQ-129X Hammarlund receiver, home brew 807 linear (needs tubes) in 10" X 21" X 15" deep cabinet with lid $45. each or trade. Too heavy to ship. No collect calls pls. Clifford W. Munhollon W8FYL, 4701 Knollwood Dr., Punta Gorda, FL 33950 813 639-5202.

MEASURE TWIC BECAUSE YOU CAN ONLY CUT ONCE.

KENWOOD TS830S $575. Drake T4XB, R4B, AC4 MS4, D102 $360. Swan 500CX, 117XC, 16 pole crystal lattice filter, VX-2 $245. Dentron super tuner lkW 10-160 AT $65. VIC 20 with 8K expansion $85. Telephone answer service $35. Hustler 4BTV $45. AEA MBA RO code reader $175. Wanted small linear. Charlie Fowkes WB4BOM, 4903 - 29 Ave. West, Bradenton, FL 33529 813 792-4049.

NOTICE NOVICES: YOU MAY BE BUYING DEFECTIVE GEAR. CHECK WITH YOUR LOCAL RADIO CLUB FOR AMATEUR FRIEND TO CHECK IT OUT FIRST.

FOR SALE: R392 /URR receiver 0.5 to 32 MHz Collins radio bands, using mechanical digital tuning with LS-166 speaker, headset, power supply and manual for R-392. In excellent condition all $350. Call in mornings. Juan Illa, 12245 SW 24 Terr., Miami, FL 33175 305 226-6820.

SELL: Two each model 35 teletype units. Cost $19,828. Make offer. With tech manuals. SAMS Photofacts No.S under 1600 $7.50 No.s over 1600 $850. Post paid. Send SASE in case we are sold out of the ones you want. Arthur Granthum W4MBJ, 1256 Plymouth Pl., Jacksonville, FL 32205 904-384-5284.

THE PERSON WHO SNORES LOUDEST ALWAYS FALLS ASLEEP FIRST...

FOR SAKE: YAESU FT208R handie brand new, used only 10 hours $200. FIRM. Also Collins KWM-2 with 516F2 P.S. Rig has new style plug in relays with Commondore VIC20 computer and Kantronics Interface and software work all modes on air now will demonstrate also will throw in Hy-Gain vertical and 40M loaded dipole with deal $750. or wil split. Also brand new in box Panasonic industrial color camera for any VHS or Beta recorder model WV3060, sells new for $795. will sell for $400. Firm. Also Yaesu FC901 antenna tuner with watt and SWR meter $125. Shure 444 Hi-Z mic $25. Call Joe Palomino WA4ONV, 131 Menores, Coral Gables, FL 305 445-7871 or 952-0121.

WANTE: Linear amp. should cover 160 meters, cash or trade. FOR SALE: MMT-432/28s transverter $200. MMC-432/28-T-C-LN low noise converter $45. MML-144/25 2 mtr linear amp/preamp $50. PSF-432 Interdigital filter $20. TRW coaxial relays good to 12 G_c $25. Bird 72-R coaxial switch DPDT good to 12 G_c $20. KLM 400-470-2N power divider/coupler $15. Heath VL-1180 2 meter linear amp. $75. ICOM IC-CF-1 cooling fan for RTTY $15. ICOM IC-251 both mikes $375. ICOM IC-701 with mic & PS $425. Leader frequency counter LDC-824S $325. TET KR-500 elev rotor (new) make offer. TET KR-400 Az rotor (new) make offer. Albert Weiss K6VU, 1700 Forest Lakes Blvd., Naples, FL 33942 813 226-6866.

SELL: Heathkit HW-101, matching, speaker HS-1661, B.W. clipper RF Processing unit and power supply, Mint all $395. Heathkit SB-201 Linear amplifier 1200W, Mint $295. Heathkit HM-2140 standing wave & power & meter mint $75. Heathkit hand-held 2 meter transceiver with auto patch and charger, mint $125. All items little use. B.B. Akin K4QXX, 415 65th St. Ct. N.W. Bradenton, FL 33529 813 792-6458.

WANTED: High power linear, home brew OK if well made and power supply. Elmer Shafer N8ES, 3479 Kersdale Rd., Pepper Pike, OH 44124 216 831-9198.

AMATEUR RADIO LICENSE EXAMINATION to be given on December 15, 1984 in Daytona Beach. For information call or send No. 10 SASE to Emil Weber K2EW, 12 Honeybear Path, Ormond Beach, FL 32074 904 672-9395.

FOR SALE: Heathkit SB-104A factory reconditioned, SB-604 power supply with speaker SB-644 remote VFO, Electro voice desk mic $350. cash only. You pick up. Have new rig. Earl G. Jones KA4VMU, 1806 - 17 St Ct. N., Zephyrhills, FL 34248 813 782-5267.

MURPHYS LAW: LEFT OVER NUTS NEVER MATCH THE LEFTOVER BOLTS.

SELL: ICOM 2AT excellent condition. All original items plus DC-1 BP4, Drop-in trickle charger and more $195. Al Vitale W2UZC, 1101 NE 4th Ct., Hallandale, FL 33009 305 454-0859.

SELL: YAESU FT-101-E good condition, CW filter, 11M preamp, WWV cooling fan, hand mike and Shure 444-D deskmike $350. Tempo S1-T 2 meter HT, 1/2 wave whip ant. leather carrying case, extras $100. UPS extra both sets. Ron Bach N4GoF, 4247 Empress St., Palm Beach Gardens, FL 33410 305 622-3463.

PEOPLE ARE ALWAYS AVAILABLE FOR WORK IN THE PAST TENSE.

FOR SALE: B&K Model 1470 dual trace 10 MHz scope, solid state with triggered sweep $70. RCA 3" general purpose scope $20. Percision 90KC to 120MHz signal generator $20. Richard Marsh WA4JJQ, 7350 Buchanan St. Hollywood, FL 33024 305 961-6839 mornings only.

WANTED: AMP. supply linear, model 1000A or 1000NT, reply by mail only. F. McAllan W2SPB, 1325 Laurel Ave., Asbury Park, NJ 07712.

SALE: Complete antenna system no. 1. Rohn 40Ft crankup fold down hot dipped galvinezd tower 4 el Wilson System 2 tri-band beam with 40 M. inv. V, Ham 3 rotor and control. RG8-U and rotor cables. 2 winches. Easy 1 man operations $595. Antenna system No. 2. Tri-Ex 20-54 Ft. crank up fold down tower. Mosley 3 el. 1 Kw. Beam, Ham M rotor and control. Hinged base plate down ready to pick up $395. Tower and Alliance mod. 75 rotor. No control box. Dipped galvinized, fold down with winch 40 ft. with hinged base place. Down ready to pick up $125. Jerry Meeks W4DZN, 7745 Coral Blvd., Miramar, FL 33023 305 987-4044 . No collect calls please.

NOTE: ALL STOLEN AMATEUR EQUIPMENT IS LISTED FREE IN THIS COLUMN, regardless if you are a SKIP member or not. Give full details with S/N if possible. Several units have already been recovered thru this column. Editor....

FREE: About 150 QST mags and a bundle of CQ mags. Dates from 1961 to 1984. You pick up. Hurry. Dick Talbot N4OK, 7836 SW 34th Terr., Miami, FL 33155 264-6689.

FOR SALE: Full size monobanders, fantastic performance! Heavy duty 2" X 26ft booms, no traps, all-metal brackets, bought new 1980. Wilson M420, 4 ele. on 20M $140. Wilson M155, 5 ele on 15M, $120. Wilson M105, 5 ele. on 10M $100. All three for $325. (Christmas tree) Includes orig. manuals. You pick up or I del. Raul J. Pla WD4EBG, 6535 SW 52nd Terr., Miami, FL 33155, 305 551-1914 - from 9PM

[redacted]

manuals, bought new - first $695. Yaesu FT-757GX, FC-757AT, FD-757HD, MD-1 and MH-188 makes 3 month old 1 hour log time $1000. cash. ICOM-730 HF TXC with SSB filter, mike, cords, manuals, never been mobile %525. Cash. Drake TR4CW with a.c.-d.c. supplies and speaker also included Ameco PT-2 and datong multi-mode filter FL2. This station will equal or (plus) any the above equipment I have above. First $550. Bellair K8HEY, 2565 N. Altantic Ave., Daytona Beach, FL 32018 904 672-6856.

SELL: ICOM 701 power supply & mike, excellent condtion $495. ICOM 245 2M mobile $150. C. Unger WA2DGP, 6400 NW 2nd Ave., Boca Raton, FL 33431 305 994-8838.

SELL: KENWOOD TS520 CW filter, manual $375. or would like to trade for HF mobile, possibly a Kenwood TS-130S, 120S. Sears CB converted to 10 meters SSB, freq range 28515 to 29545 $85. Terry Thomas N4HAT 1381 SW 52 Ave., Plantation, FL 33317 305 584-3054.

FOR SALE: Antenna tuner, well-made trans-match type 2Kw $45. Tom Roberts K5CJ, 4130 Sussex Ave., Lake Worth, FL 305 967-5997.

WANTED TO BUY: Any 2M synthesized with autopatch, also 5/8 wave mobile antenna; also CW memory keyer (or circuit to build); DX Callbook; compact HF mobile. SELL/TRADE: Heath HD-10 electronic Keyer $25. J. Mahagan WB4JHS, 333-8 - U.V.S., Gainesville, FL 32603 904 377-9595.

FOR SALE: YAESU FT-726R, 15, 12, 11, 10 & 2 mtr, multi-mode transceiver, best offer. Heath HW- SA-2060A, 2kW HF antenna tuner $195. Heath IM-4180 FM deviation meter, 25-1000MHz $135. Heath SB-310, HF receiver \80, 40, 20, 15, 11, 10 meters $125. Ray Wood K4DAV, 215 Manor Dr., New Port Richey, FL 33552 813-849-2430 or 376-0247.

FOR SALE: Vibroplex Original standard. New condition. Cost $119.00 will sell for $70. L. Hacay, 100 Esplanade 303, Venice, FL 33595 813 - 488-4595.

ATROPHY: AWARD FOR LACK OF EXERCISE. . . . .

SELL: Very little used commodore 64. New microlog air-1 with Amtor cost $475. Sell $350. Reason for selling, have other computer interests. Fred Amatucci W4MJX, 608 Kingston Ct., Apollo Beach, FL 33570 813-645-6849.

WANTED: CW xtal filter, 500 or 200 Hz for 75S-3B. Filter P/N's F455FA-05 or X455Q200. Also need 15M CW TX filter for 32S-3, 12.0775 and 10 M CW TX and 15,577.500. Need 4 or 5BTV Hustler Vert. R. Terrill K4ANT, 5606 Sedgefield St., Orlando, FL 32808 305 299-6338. No collects.

THE WORST PART OF INSOMNIA IS THAT IT MAKES ONE SO TIRED OF HIS OWN COMPANY. . . . . K1GGP/4. . . .

FOR SALE: TRIEX crankup tower has four twenty-foot sections. Needs paint. Down and ready to be hauled away $300. George Graveson K4JI, 332 East Acre Dr., Plantation, FL 33317 305 581-4831.

NOTICE: When sending in HAMBARS, we request you submit your full mailing address, area code and phone number(s). ALSO YOUR AMATEUR CALL SIGN! Thanks - Editor.

SALE: Hammarlund SP-600 general coverage receiver, broadc ast band thru 6 meters in good working order and condition $200. Craig McArthur KC4DV, 2808 Bell Shoals Rd., Brandon, FL 33511 813 685-8751.

FOR SALE: New, still in box with manuals and all test leads, LEADER LGS-532 TV-FM SWEMAR GENERATOR. Sells new for about three bills, will take $60. plus UPS. COAX RG59U. new off roll .08 cents per foot. All plus UPS. Andy Clark W4IYT, 41 Lenape Dr. Miami Springs, FL 33166 305 888-3874 Call PM only. Tks.

From front page. . . .

Moving right along, locate by either pictorial view in manual or by visual inspection, the knob, lever or push button marked "Power On". When this control is pushed in or out, up or down, or moved left to right, a lamp will light, indicating that the bulb works. This is a good sign.

Next, attach a "Dummy Load" to the fitting on the rear apron marked "ANT". Please don't ask what a Dummy Load is. That's for the next issue.

O.K. We plugged her in, we turned her on and we lit the lamps. We now must get her loaded. Following the instructions again, we select the band, dial the frequency, dip the final and load the tank. Simple? — You bet!

The most important thing to remember is the location of the "Power On" switch. It's purpose is two-fold. First, it must be activated to light the lamp and second, it must be deactivated to stop the smoke.

After the smoke clears and the windows are opened to clear out the smell, disconnect the load, dummy, and remove the AC line cord from the extension cord. Remove the extension cord from the wall socket. Replace rig in the plastic wrap. Replace rig in the carton (remember that I said we'd need it?)

The next step, of course, is return it to the place of purchase with a written explanation of the problem and, within six months it will be repaired and returned.

You now have two distinct problems. First, finding the darn extension cord which your XYL probably stole for the bedroom reading lamp and to retrieve it, you have to wiggle under the bed and get your nose licked by the dog and second, a new model of your rig has since been introduced rendering yours totally unsalable.

Next time, buy a Johnson Valiant. (KC4BC in The Readout)

W8TAY/ex: W4JCR — ANITA BIEN

Anita Bien was well known to many as W4JCR, as in 1955 she was guest speaker at the first YLRL 4th District Convention, sponsored by SPARCYLS (St. Petersburg Amateur Radio Club YLS), in conjunction with the SPARC 1955 ARRL 4th District Convention.

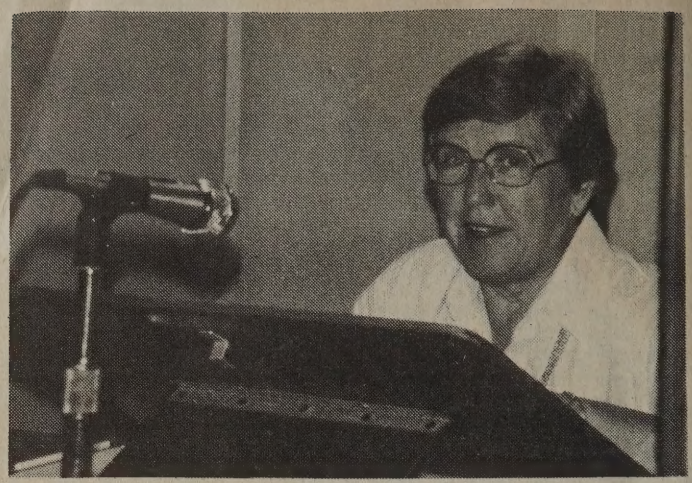
Anita was Charter Member No. 6 of the Floridora YLs and installed their first Officers at the organization meeting, April 1957, at Rock Springs, Orlando. She assisted in writing the Constitution; By-Laws and many other organizational material.

She was first licensed March 1, 1939; held many offices, besides President, in YLRL; was a Buckeye Belle, residing in Cleveland, Ohio. Moved to Florida account of OM, W4JCS/W8SSV-Curley's ill health, where she was Supervisor in Physics Dept., at University of Florida, in Gainesville.

Sometime after her OM became a Silent Key, Anita moved back to Ohio and got her old call of W8TAY back.

Floridora YLs extend our heartfelt sympathy to Anita's Cousin, Melba Hughes, who notified us that Anita joined the Silent Keys, August 25, 1984.

Cathy Soehl-W4BAV
Floridora No. 5



Norma McReynolds, XYL of K4JDV, Daytona Beach, prepares to record the latest issue of FLORIDA SKIP on tape for the Florida Division of Blind Services Library for the blind and Physically handicapped. There are currently 59 patrons receiving FLORIDA SKIP on tape. If you know of any other possible patrons please let SKIP Editor know and we will relay info on to the Library.

EMERGENCY PREPAREDNESS
By Bruce Lyon, WD4BYO

In selecting an antenna system for public service events we need to consider seven parameters:

1. GAIN is used to describe the characteristic on an antenna whereby the signal strength is improved by concentrating the radiation into a narrow beam. A gain antenna provides a higher effective radiated power than a non-gain antenna. A gain antenna will therefore produce a greater signal strength for a given transmitter power, or the same signal strength for a reduced transmitter power, than will a non-gain antenna. This will in turn reduce the battery power required to run the rig.

2. The FREQUENCY RESPONSE of an antenna is a measure of the bandwidth over which the antenna will present a proper impedance load to the transmitter. For the purposes of our application, we will limit our consideration to a nominal 52 ohm impedance on the 146.000 to 148.000 portion of the 2 meter band.

3. The RADIATION PATTERN of an antenna is its ability to radiate more effectively in some directions than in others. This may be intentional, as in beam antennas, or accidental, as in omnidirectional antennas positioned near natural reflectors. When working mobile, or as a fixed station transmitting to mobiles, an omnidirectional antenna is desired. When operating fixed point-to-point, a directional antenna can improve gain and reduce co-channel interference.

4. The HEIGHT of a VHF antenna will affect its performance in two primary ways. An antenna above surrounding obstacles, including buildings, trees, etc., will encounter less path loss and therefore have a stronger signal. Also, since VHF is basically "line-of-sight", a high antenna will increase the distance to the horizon and thus the effective range.

5. The physical SIZE and weight of the antenna is important since it usually needs to be transported and erected, usually quickly, by one person, and under adverse conditions.

6. The antenna SUPPORT system will necessarily be a compromise among the desired characteristics of height, weight, strength, portability, and ease of set up. Fortunately an antenna rotation system is seldom needed in emergency work.

7. The FEED LINE from the transmitter to the antenna needs to be of high quality to permit low transmitter power to reach the antenna with minimum loss. This becomes more critical as higher antenna heights require more feed line lengths. Again a compromise must be reached between low loss on one hand and weight, flexibility, portability, and ease of installation on the other hand.

(SO FL FM ASSN. BULLETIN)